

*"German's Seeds
Germinate"*



ZINNIA, THUMBELINA

All-America Gold Medal Award for 1963. See page 22.

1963

AGRICULTURAL LIBRARY
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Our

37th

MENT OF AGRICULTURE

Year



ZINNIA, FIRECRACKER

All-America Award Winner for 1963. See page 22.

**Florists' and
Market Gardeners'
*Wholesale Price List***

**H. G. GERMAN, Seeds
SMETHPORT, PENNA.**



SNAPDRAGON, UNITED SPRITES

Early F₁ hybrid. 14 to 18 in. high. See page 6.

**MARIGOLD, DWARF FRENCH DOUBLE,
BRITTANY**

New mahogany-red. See page 13.





PETUNIA, GYPSY PARADE
Improved Glitters in size and color. See page 16.



ASTER, PINK LADY
Outstanding new color. See page 7.



COLEUS, GERMAN'S RAINBOW MIXTURE
The brightest mixture obtainable. See page 10.



SNAPDRAGON, ROCKET MIXED
The best garden variety. See page 6.



ZINNIA, F₁ HYBRID POLY-PINK
First F₁ Hybrid Zinnia ever offered. See page 23.



Partial view of our trial gardens, where all new varieties are tested before we offer them for sale. Visitors are always welcome. Most plants are at their peak from July 10 through the first week in August. After the end of August the garden soon becomes overgrown and ragged. Frost date: first week in September.

German's Seeds Germinate

GERMAN'S SEEDS are obtained from the best sources available and are for the most part originator's stock. The remainder are obtained from leading American and foreign growers.

We solicit business from the critical florist grower. In this catalog we have tried to do all possible to list the most profitable and leading strains available today.

We sell only seeds of good vitality, which will grow under normal conditions. All seeds are tested in our own laboratory before shipping.

NOTICE TO THE BUYER: Subject to the limitation of liability herein set forth, we warrant that the seeds or bulbs sold are as described on the container, within recognized tolerances. *Our liability on the warranty is limited in amount to the purchase price of the seeds or bulbs.* In no event shall we be liable for the crop, or for any loss due to negligence or resulting from the failure, impairment or quality of the crop or varietal variance therein, whether such loss results from breach of the foregoing warranty, from breach of any other provision of the buyer's contract for the purchase of said seeds or bulbs, or from any other cause. *Seeds or bulbs not accepted on the basis of the foregoing conditions of sale must be returned within 10 days in original unopened containers and the purchase price will be refunded.*

We invite inquiries from large growers. Write us about your requirements on any seeds listed in this catalog, and we will answer promptly.

CASH AND QUANTITY DISCOUNTS ON FLOWER AND VEGETABLE SEEDS ONLY

This schedule will make it profitable to order as much of your season's requirements as practical at one time and from one source.

CASH DISCOUNTS: When orders for Flower and Vegetable seeds are accompanied by remittance to cover, the following special discounts may be taken.

Under \$10.00, NET; \$10.00 to \$25.00, 5%; \$25.00 to \$100.00, 8%; \$100.00 to \$150.00, 10%; \$150.00 to \$200.00, 12%; \$200.00 to \$300.00, 15%.

On Charge Orders (if paid within 30 days of invoice date): Under \$10.00, NET; \$10.00 to \$25.00, 3%; \$25.00 to \$100.00, 6%; \$100.00 to \$150.00, 8%; \$150.00 to \$200.00, 10%; \$200.00 to \$300.00, 13%. If paid within 10 days of invoice date, deduct an additional 2%.

C.O.D. Shipments: Not recommended because of extra costs and frequent delays in delivery. 25% cash down payment must be sent with order, and cash discount not allowed on C.O.D. orders.

Payments should accompany all orders unless credit has been established.

All prices in this catalog subject to change without notice.

All seed orders sent prepaid to U. S. and Canada.

Time Payments: If you wish to open an account with us, send name of your bank and at least two (2) business references.

FIRST ORDERS from all firms not having an account with us should come with cash remittance to cover, if merchandise is needed at once. If cash is not sent, supply bank and trade references and expect a few days' delay while references are checked. **Some individual name** should be signed to all orders.

All invoices are due and payable 60 days after invoice date.

Containers and Others Supplies: cash with order, 2% discount.

Routing: On each order please give name of railroad you wish shipped by; there is no other sure way of correct routing. State distinctly: if by **Mail Express, Truck, or Railroad Freight.** If no routing is given, we will use our judgment but cannot be responsible for any delay or over-charges.

All items in this catalog are offered subject to crop failures or shortages.

All orders shipped by return mail

H. G. GERMAN, SEEDS •

Specialists in Florists' Flower Seeds

SMETHPORT, PENNA.

103 Bank St.

Area Code 814

Phone 887-5315

Here is the Secret . . .

As every successful businessman knows, prices should be considered carefully. There are many items of expense between your cost and the selling price. If you offer high-quality plants—name plants that are written up in garden magazines and garden pages of newspapers that people know are good—you will find that they are willing to pay for them. So figure your prices to allow a fair margin of profit. People have learned that individually potted plants will grow and outproduce plants that are pulled apart; therefore they are willing to pay the higher price, particularly for the well-known and highly advertised All-America Winners and other outstanding new introductions.

Today, the leading bedding plant growers understand that this is a rapidly changing world, and much of that change is style. Most of them are exploiting that knowledge by using these methods of merchandising:

1. Making the better and new varieties available to their customers, and advertising them.
2. Setting up a self-service display of items available in modern plant containers with prices prominently displayed, thus speeding customer service and selling more plants with less help in the short spring sales period. They sell plants that will perform better for the customer than the old-fashioned dug and newspaper-wrapped plants.
3. Presenting the new changes in STYLE. Without style change (represented by new models and ideas each year) no business or industry can continue to prosper today. Now as never before, with the great mass of people, style change adds spice and sparkle to life and satisfies a basic human need. The better and newer varieties that are presented each year should be grown along with the older tried and proved strains.

It is with the above facts in mind that we constantly strive to add the best of the new varieties or STYLE changes and the latest developments in plant containers.

Pay particular attention to the All-America Selections for 1963. All are outstanding and deserve your full consideration, for they have been thoroughly tested in trial gardens all over the United States and Canada and will be highly publicized in the coming months.

The number stamped at the top of each packet of seed you purchase from us is the lot number. Save your empty packets after sowing seeds. These empty packets will take up very little space. The lot number stamped on the top of the packet should always be given as a reference in case of any correspondence in regard to any purchase.

All-America Award Winners for 1963 and Other New Introductions

ALL-AMERICA AWARD WINNERS

ZINNIA, Thumbelina. During our many years in the seed business, we have never seen a more worthy novelty. Everywhere it was tested its performance and appeal surpassed all other entries, and we heartily recommend this delightful novelty. See front cover and page 22.

ZINNIA, Firecracker. F₁ Hybrid Cactus. Brilliant scarlet. See front cover and page 22.

SQUASH, Winter Hercules. F₁ Hybrid. Butternut type. See page 31.

SQUASH, Summer Greyzini. F₁ Hybrid. A fine summer Squash. See page 31.

CABBAGE, F₁ Hybrid Emerald Cross. See page 28.

LETTUCE, Bibb Buttercrunch. New Bibb type. See page 30.

NEW FLOWERS

AGERAGUM, Blue Carpet. See page 3.

ASTERS, Reselected Ball Type. See page 7.

DIANTHUS, Baby Doll. See page 11.

GOMPHRENA, Bunch Mixed. See page 11.

MARIGOLD, Dwarf French Double, Brittany. See front cover and page 13.

POLYGONUM, Summer Carpet. See page 19.

SNAPDRAGON, United Sprites. See front cover and page 6.

PETUNIAS. Many new Petunias were thoroughly tested in leading eastern trial gardens. See pages 15 through 18.

All-Double Multifloras: Cardinal Riches and Honey Bunch.

F₁ Hybrid Grandifloras: Blizzard, Pennant, Cascade Series, Snow Magic.

F₁ Hybrid Multifloras: Star Trophy, Gypsy Parade, Brass Band.

ZINNIA, State Fair. In separate colors. See third cover and page 22.

NEW VEGETABLES

PEPPER, Delaware Belle. Sweet Pepper, a must for every grower. See page 31.

TOMATO, F₁ Hybrid Early Salad. Small fruited. See page 33.

TOMATO, F₁ Hybrid Mandarin Cross. The first F₁ orange-fruited variety. See page 33.

SPECIAL COLLECTIONS OF THE NEWEST AND BEST ITEMS FOR 1963

Order collections by number. We cannot substitute within a collection.

PETUNIAS

	Collection No. 1	Collection No. 2
German's All-Double Mixture.....	1/2 tr. pkt. \$2.50	Tr. pkt. \$4.00
Blue Magic.....	Tr. pkt. 2.75	Tr. pkt. 2.75
Calypso.....	Tr. pkt. 2.75	1/128 oz. 4.75
Pennant.....	Tr. pkt. 2.75	Tr. pkt. 2.75
Comanche Improved.....	1/64 oz. 5.50	1/32 oz. 10.00
Can-Can (Dw. Giant of Calif.).....	1/2 tr. pkt. 1.75	Tr. pkt. 3.00
Crusader.....	1/2 tr. pkt. 1.50	Tr. pkt. 2.75
Maytime.....	1/2 tr. pkt. 1.50	Tr. pkt. 2.75
Prima Donna Improved.....	Tr. pkt. 2.75	Tr. pkt. 2.75
Summer Sky.....	1/2 tr. pkt. 1.50	1/64 oz. 8.75
Sugar Plum.....	1/2 tr. pkt. 1.00	Tr. pkt. 1.75
Red Cascade.....	Tr. pkt. 2.75	Tr. pkt. 2.75
Blizzard.....	1/128 oz. 4.75	1/64 oz. 8.75
Paleface.....	1/2 tr. pkt. 1.00	Tr. pkt. 1.75
Cascade Mixed.....	Tr. pkt. 2.75	1/128 oz. 4.75
White Cascade.....	Tr. pkt. 2.75	Tr. pkt. 2.75
Catalog value	40.25	66.75
Less discount	4.10	6.75
Collection Price	\$36.15	\$60.00

ANNUALS

	Collection No. 3	Collection No. 4
Ageratum, Blue Mink Improved.....	Tr. pkt. \$0.50	Tr. pkt. \$0.50
Alyssum, Carpet of Snow.....	Tr. pkt. .35	1/2 oz. .55
Aster, Florists' Mixed.....	Tr. pkt. 1.75	1/4 oz. 3.20
Basil, Dark Opal.....	Tr. pkt. 1.00	Tr. pkt. 1.00
Coleus, German's Rainbow Mixture.....	Tr. pkt. 1.75	1/64 oz. 2.25
Dahlia, Unwin's Ideal Bedding.....	Tr. pkt. .30	1/4 oz. .80
Dianthus, Baby Doll.....	Tr. pkt. .70	Tr. pkt. .70
Impatiens, Baby Mixed.....	Tr. pkt. .85	1/64 oz. 1.50
Marigold, Climax Mixed.....	Tr. pkt. .85	Tr. pkt. .85
Marigold, Petite Mixed.....	1/4 oz. .75	1/2 oz. 1.15
Pansy, German's Special Swiss Giants.....	Tr. pkt. .75	1/4 oz. 3.15
Phlox, Globe Mixed.....	Tr. pkt. .75	1/8 oz. 1.25
Portulaca, German's All Double.....	Tr. pkt. .50	Tr. pkt. .50
Salvia, German's St. John's Fire.....	1/8 oz. 1.25	1/4 oz. 2.25
Salvia, Pink Rouge.....	Tr. pkt. .90	1/4 oz. 3.00
Snapdragon, Rocket Mixed.....	1/2 tr. pkt. 1.75	1/64 oz. 5.50
Verbena, German's Exhibition Mixture.....	Tr. pkt. .60	1/4 oz. 1.50
Zinnia, State Fair Mixed.....	1/4 oz. .95	1/2 oz. 1.35
Zinnia, Thumbelina.....	Tr. pkt. .85	1/8 oz. 2.75
Zinnia, Firecracker.....	Tr. pkt. 1.30	Tr. pkt. 1.30
Catalog value	18.40	35.05
Less discount	1.80	3.50
Collection Price	\$16.60	\$31.55

VEGETABLES

	Collection No. 5	Collection No. 6
Brussels Sprouts, Jade Cross.....	Tr. pkt. \$0.80	Tr. pkt. \$0.80
Cabbage, Emerald Cross.....	Tr. pkt. 1.25	1/2 oz. 2.20
Cabbage, Periwinkle.....	Tr. pkt. 1.00	1/2 oz. 1.65
Cucumber, Saticoy Hybrid.....	Tr. pkt. .55	1/4 oz. 1.40
Eggplant, TS Cross.....	Tr. pkt. .60	1/2 oz. 1.00
Muskmelon, Saticoy Hybrid.....	Tr. pkt. 1.00	1/4 oz. 2.25
Watermelon, Red Cherry.....	Tr. pkt. .65	1/4 oz. 1.15
Onion, Early Harvest.....	Tr. pkt. .30	Oz. .95
Squash, Greyzini.....	Tr. pkt. .50	Oz. 1.00
Tomato, Mandarin Cross.....	Tr. pkt. 1.00	1/8 oz. 2.80
Tomato, Neptune.....	1/8 oz. 2.80	1/4 oz. 5.00
Tomato, Big Boy Hybrid.....	1/6 oz. 4.50	1/4 oz. 8.50
Tomato, Early Salad.....	Tr. pkt. 2.00	Tr. pkt. 2.00
Catalog value	16.95	30.70
Less discount	1.70	3.10
Collection Price	\$15.25	\$27.60

Our standard discounts (see page 1) apply also to collection prices. For example, if you order Collection No. 1 at \$36.15, you may deduct the additional 8% cash discount. Save even more by combining any of the collections with your other seed order.

FLOWER SEEDS

In order to assist our customers, we are giving the following information under each variety: the approximate number of seeds per ounce; temperature for best germination; number of weeks required to germinate; and in the case of spring bedding plants, the approximate sowing date for salable plants for late May and early June sales. Example: AGERATUM, 238,000 S; 65° to 75° F.; 3 weeks; late Dec.

AGERATUM 238,000 S; 65° to 75° F.; 3 weeks; late Dec.

AGERATUM, Blue Carpet



Blue Mink Improved. Tetraploid. Extremely large flower heads of beautiful powder-blue. Our improved strain is uniformly dwarf and compact. We received many letters from customers in regard to this. Blooms earlier and stays more dwarf than other strains of Blue Mink. Tr. pkt. 50c, 1/8 oz. \$1.20, 1/4 oz. \$2.25, oz. \$6.50.

Blue Carpet. Beautiful powdery blue flowers on large trusses. Plants very uniform, early and free blooming. An excellent strain for flats and bedding. Tr. pkt. \$1.00, 1/8 oz. \$2.10, 1/4 oz. \$4.00, oz. \$12.00.

Midget Blue. Profuse blooming; clear blue. This is the finest seed-produced strain. 4 to 6 in. Tr. pkt. 50c, 1/8 oz. \$1.20, 1/4 oz. \$2.25, oz. \$6.50.

Dwarf White Improved. Pure white, quite uniform. Tr. pkt. 50c, 1/4 oz. \$1.25, 1/2 oz. \$2.00.

Fairy Pink. Light salmon-pink. Tr. pkt. 50c, 1/8 oz. \$1.00, 1/4 oz. \$1.85.

H. G. GERMAN, 103 Bank Street, Smethport, Penna.

ALYSSUM maritimum (Sweet Alyssum)

80,000 S; 65° to 75° F.; 2 weeks; early Feb.

Rosie O'Day. All-America Award Winner for 1961. Beautiful deep rose, bringing greater variety of color to this popular annual. For bedding, combinations, edgings and ground covers. NOTICE, this variety needs more fertility than others in order to reach its full potential. Tr. pkt. 75c, 1/8oz. \$1.25, 1/4oz. \$2.35, oz. \$7.00.

Carpet of Snow. Spreading. 2 to 3 in. Tr. pkt. 35c, 1/2oz. 55c, oz. \$1.00.

Little Dorrit. Miniature white. 4 in. 1/4oz. 30c, oz. 95c.

Pink Heather. Soft lavender-pink, a light pink deeper in cool weather. Plant and blooming habits of Violet Queen and Little Dorrit, growing about 6 in. tall with good spread of bloom until late September. Tr. pkt. 50c, 1/8oz. 90c, 1/4oz. \$1.75, oz. \$5.00.

Royal Carpet. 1953 Top All-America Selection. A gem for the garden. The spreading, compact habit and rich violet color makes it an excellent companion for Carpet of Snow. Height 3 in.; spread 10 to 12 in. Tr. pkt. 40c, 1/4oz. \$1.30, oz. \$3.90.

Violet Queen Improved. Special selection. Deep bright violet; very compact. Tr. pkt. 30c, 1/4oz. \$1.30, 1/2oz. \$2.10, oz. \$3.95.

AMARANTHUS

65° to 75° F.; 2 to 3 weeks; Apr. 15

Prefers a dry, sunny location. Water sparingly, if at all, after it is established.

Aurora (Rising Sun). Salmon-scarlet foliage, richly variegated with yellow and bronze-green.

Molten Fire (Summer Poinsettia). (28,000 S) Foliage variegated scarlet-rose on bronzy yellow.

Either of above, tr. pkt. 35c, 1/4oz. 50c, oz. \$1.50

ANTIRRHINUM (Snapdragon)

We are always glad to help our customers select the best varieties for their conditions and invite inquiries from them. When writing, state the season you want the Snaps to bloom and when you can bench them. We will gladly send suggestions.

"SNAPS" for Greenhouse Forcing Expected Blooming Periods

See our 1960 pamphlet on Snapdragon Culture. Additional copies available upon request.

Many new varieties are rapidly becoming available, which offer a much wider selection of color, season of bloom, habit and shatter resistance than previously. This makes varietal selection more confusing.

We have divided our varieties into four basic groups, depending on optimum flowering periods, as follows:

- 1 Winter Flowering—Dec. 15 to Apr. 1.
- 2 Late Winter and Early Spring Flowering—Apr. 1 to May 15.
- 3 Spring Flowering—May 15 to July 1.
- 4 Summer Flowering—July 1 to Sept. 15.

PLEASE NOTE: Some overlapping of dates can occur; also seasons vary considerably.

60° Night Temperature Varieties

A few varieties can be grown in the same house with Chrysanthemums. The light they receive from the Mums seems to aid them.

We can recommend **Virginia** (paper-white), **Kentucky** (light pink), **Colorado** (yellow) and **Tennessee** (red) and the **Potomac** varieties, although the latter flower several weeks later. If further information is desired, write for our schedule.

Many growers need both Mums and Snaps. Heretofore, without separate houses, they have been unable to raise them. Using the new Yoder series of early spring and late flowering response group and the varieties such as Virginia, Kentucky, Colorado and Tennessee, good results have been obtained, as outlined below.

The same lights used on Mums were allowed to hit the Snaps. The lights seemed to improve and accelerate the flowering. Bill Duffett reports that quality was good and frequently better than the winter varieties in other houses at 50°. No wilt was observed. The warmer soil and more rapid drying out appeared to correct this problem. Very little or no grass was produced. Stems were solid, firm—keeping quality and color were outstanding. The most impressive point was that the crop duration was the same as required for single-stem Chrysanthemums. Yoder's schedule was as follows:

SOW	BENCH	START FLOWERING	FLOWERING COMPLETED
Sept. 7	Sept. 28	Jan. 18	Feb. 18
Sept. 14	Oct. 12	Feb. 8	Feb. 22
Sept. 28	Oct. 26	March 7	March 28

The new Snapdragon manual, prepared for the New York State Extension Service Snapdragon School of the New York State Flower Growers' Assn., Inc., held in East Aurora, N. Y., in June 1962, is available for all who wish to have a copy. Write directly to the Dept. of Floriculture, Cornell University, Ithaca, N. Y., enclosing a check for \$1.25 made payable to The New York State Flower Growers' Assn., Inc. This manual gives all the latest information on culture, insects and diseases, and the economics of growing Snapdragons.

Pink and Rose Hybrids

- 1 **Anne Marie.** (J. S. Yoder.) Light pink, just a shade darker than Christina and blooms about 10 days later. Very large spikes on stiff, heavy stems. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Christina.** (J. S. Yoder.) Again available in its original 100% true form. Most popular shade of light pink. 1/2tr. pkt. \$2.25, tr. pkt. \$4.50.
- 1 **Flamingo.** (Winkler.) Bright salmon-rose-pink, a new color. Very uniform and productive. Long spikes and strong stems; shatter-resistant. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.
- 4 **Florida.** (Yoder Bros.) Light pink summer hybrid of Christina color. Retains color under high temperatures. Highly shatter-proof. Long, compact spikes. Tr. pkt. \$4.00.
- 2 **Hercules.** (Ball.) Light pink. Very hard, clean stem. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.
- 2 **Indiana.** (Yoder Bros.) Light rose-pink, large ruffled florets. Long tapered spikes are extremely uniform and vigorous. Tr. pkt. \$4.00.
- 1 **Jackpot.** (Ball.) A good producer. Medium dark rose; heavy stems and long spikes. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.
- 2 **Kentucky.** (Yoder Bros.) Apple-blossom-pink, extremely large, long spikes. A clean, vigorous grower. Tr. pkt. \$4.00.
- 1 **Libby.** (Yoder.) A dark rose-pink hybrid with very strong stem and good vigor. Large florets, close set. A second early, flowering after Mary Ellen. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **New Times.** (Pan-American.) Better Times color. Hybrid with vigorous growth and good stems. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **New York.** (Yoder Bros.) Light clear pink. Tremendous vigor. Highly shatter-proof spikes are large and compact. Tr. pkt. \$4.00.
- 3 **Pan American Summer Pink.** Light rose-pink. Christina color in summer type. Larger florets and longer spikes than most summer varieties. Shatter-resistant. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.
- 3 **Potomac Pink.** (Winkler.) Beautiful soft pink for summer flowering. Tr. pkt. \$4.00.
- 3 **Potomac Rose.** (Winkler.) Bright rose-pink hybrid. Quick growing, vigorous and uniform, it should answer the demand for a good rose for this period. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Rebecca.** (J. S. Yoder & Son.) Beautiful pink, slightly lighter than Christina, earlier, but with the same large spikes and fine stems. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.
- 2 **Show Girl.** (Ball.) Medium dark rose. Excellent for spring. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Spanish Lady.** (Ball.) Light pink. Long tapering spikes on hard clean stems. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.
- 4 **Summer Jewel.** (Yoder Bros.) Deep pink, shatter-proof variety for summer only. Tr. pkt. \$4.00.
- 1 **Washington.** (Yoder Bros.) A beautiful light pink Citation. Will have the same flower spike, blooming period and habit as Citation. NOTICE: Seed not available until July 1963. Tr. pkt. \$4.00.
- 1 **Wisconsin.** (Yoder Bros.) Intense dark pink, winter and early spring. Color resembles the rose Better Times. Spikes long and tapering. Tr. pkt. \$4.00.

Red Hybrids

- 1 **Apache.** (Pan-American.) Brightest red ever introduced. Long tapering spikes on strong stems. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Buccaneer.** (Ball.) True deep bright red. Good stem and fine spike. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Cherokee.** (Ball.) Bright scarlet-red, long, well-formed spikes. Good winter and spring. 1/2tr. pkt. \$2.25, tr. pkt. \$4.00.

H. G. GERMAN, 103 Bank Street, Smethport, Penna.

ANTIRRHINUM, continued

Red Hybrids, continued

- 1 **Maryland Red.** (Winkler.) Beautiful new red. Large spikes and florets; heavy stems. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 2 **Navajo.** (Ball.) Bright red. Good-sized florets on an extra-long spike, with hard stem. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 3 **Potomac Red.** A new variety for late spring, summer and early fall. The best red for these seasons. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 3 **Tennessee.** (Yoder.) A new red for the fall period when this color is in demand. Good floret spacing on long, uniform spikes. Tr. pkt. \$4.00.

Lavender Hybrids

- 4 **Arizona.** (Yoder Bros.) New summer-flowering lavender hybrid. Large florets. Outstanding for its long spikes and vigorous habit. Tr. pkt. \$4.00.
- 1 **Lavender Lady.** (Ball.) Deep rosy lavender. For late winter and spring. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Maine.** (Yoder Bros.) Rich purple. Improved Bold Venture in spike, vigor and form. Tr. pkt. \$4.00.
- 1 **Maryland Lavender.** (Winkler.) Clear light orchid, large florets closely set. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Mercury.** (German.) Earliest hybrid lavender available. Orchid-lavender, close-set florets on wiry stems. An improved Twilight. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Senorita.** (Pan-American.) Beautiful lavender. Long tapered spikes on excellent stems. The earliest lavender on the market. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.

Lavender Open Pollinated

- 4 **Rockwood's Lavender-Rose.** $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 4 **Summer Orchid.** Bright deep orchid. Outstanding for spike length and vigor. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.

Bronze Hybrids

- 1 **Barbara.** (Yoder.) Rich bronze; large spikes on strong stems. Spikes slightly open. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Eldorado.** (Pan-American.) New light bronze. Very strong stems and long, gracefully shaped spikes. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 3 **Kansas.** (Yoder.) Brilliant golden bronze. Color has real merit in the fall months. Tr. pkt. \$4.00.
- 1 **Martha.** (Yoder.) Beautiful golden bronze. Excellent stems and spikes. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Maryland Orange.** (Winkler.) Large, bright rosy bronze. Stiff stems. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 2 **Saturn.** (German.) Early scarlet-bronze. Does not have a soft stem in midwinter, but a hard stem with long tapering spikes. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 4 **Summer Orange.** (Rockwood.) Bright orange-bronze, for summer only. Tr. pkt. \$4.00.

White Hybrids

- 1 **Apollo.** Ivory-white, similar to Margaret. Tr. pkt. \$4.00.
- 1 **Citation.** (Yoder Bros.) Ivory-white. Long hard stems; excellent spikes. Tr. pkt. \$4.00.
- 3 **Delaware.** Ivory-white; for spring and fall flowering this variety improves the valuable traits of Citation. Large florets, heavier stems and very long spikes. Tr. pkt. \$4.00.
- 1 **Ivory Tower.** (Pan-American.) Ivory-white. One of the new shatter-resistant race. Excellent shipper. Extremely large spikes on strong, stiff, heavy stems. Very uniform and vigorous. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Maryland White Improved.** (Winkler.) Purest white; large spikes and strong stems. Should be on every grower's list. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Ohio.** (Yoder Bros.) Pure paper-white. Vigor and spike length exceed Albion and White Knight. Shatter-proof, compact florets. Tr. pkt. \$4.00.
- 1 **Oregon.** (Yoder Bros.) Pure white Citation, with all the same characteristics but a beautiful pure white. NOTICE: seed not available until July 1963. Tr. pkt. \$4.00.

White Hybrids, continued

- 2 **Pan American White.** Beautiful new pure white for late winter. Long heavy spikes with closely set florets. All growers who tested this variety praised it highly. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 3 **Potomac White.** (Winkler.) Pure white for late spring and summer. Grow single stem for best quality, but pinching will give heavy production of quality blooms. Tr. pkt. \$4.00.
- 1-2 **Rockwood Hybrid White No. 5.** A fine white for fall and winter blooming. Well-formed spikes on heavy, wiry stems. Season—late September to June. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Sierra.** (Ball.) Pure white. Excellent stems and spikes. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Snowman.** (Ball.) Good pure white. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 3 **Spartan Summer White.** Strong, pure white, shatter-proof. Earlier and more vigorous than Crystal White. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Spartan White.** MSC #2. NEW IMPROVED STRAIN. An early-flowering pure white. Clean-growing, large spike; shatter-resistant. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 4 **Texas.** (Yoder Bros.) Paper-white for June through August. Much larger florets, longer stems, earlier flowering than other summer whites. Tr. pkt. \$4.00.
- 1-2 **Twenty Grand.** (Yoder Bros.) Excellent ivory. Good producer. Tr. pkt. \$4.00.
- 3 **Utah.** (Yoder Bros.) Pure white, long, closely spaced spikes. Shatter-resistant. Height 36 to 42 in. Bred for benches having little head room. Tr. pkt. \$4.00.
- 3 **Virginia.** (Yoder Bros.) Paper-white hybrid. Long spikes, hard clean stems and large florets that are shatter-proof. Terrific for June. Tr. pkt. \$4.00.
- 1 **White Knight.** (Yoder Bros.) New paper-white. Medium to long, compact spikes. Tr. pkt. \$4.00.
- 4 **White Skies.** (Yoder Bros.) Pure white for May to September only. Shatter-proof, tall and vigorous. Tr. pkt. \$4.00.

White Open Pollinated

- 4 **Crystal White.** (Rockwood.) Large-flowered pure white for spring and summer. Has an excellent strong stem and huge flower-spike. For benching after Mums only. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 4 **Crystal White.** (Yoder Bros.) Originator's improved selection, shatter-proof and strong germinating seed. Tr. pkt. \$4.00.

Yellow Hybrids

- 2 **Broker's Tip.** (Yoder Bros.) Medium yellow for late winter and spring. Firm stems. Tr. pkt. \$4.00.
- 2 **Colorado.** (Yoder Bros.) Large-flowered yellow. Very uniform and vigorous. Tr. pkt. \$4.00.
- 1 **Doubloon.** (Ball.) Richest deepest yellow hybrid. Forms good stem and spike in midwinter. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Nebraska.** (Yoder Bros.) A beautiful dark yellow Citation, bred with all the characteristics of Citation. NOTICE: seed not available until July 1963. Tr. pkt. \$4.00.
- 2 **Nevada.** (Yoder Bros.) Intense yellow. Develops a huge floret on long, strong spikes. Tr. pkt. \$4.00.
- 3 **Pan American Summer Yellow.** New outstanding summer Snap, grades nearly 90% Special and Fancy grades. Largest spikes on strong heavy stems, tall, vigorous, shatter-proof. Earlier and more productive. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Patricia.** (Yoder.) Deep golden yellow, very vigorous. Growth similar to Margaret, but it is earlier. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 3 **Potomac Yellow.** (Winkler.) Bright yellow for late spring and summer flowering. Grow single stem for highest quality. Pinching will give heavy production of good-quality spikes. Tr. pkt. \$4.00.
- 2 **Rockwood Hybrid Yellow No. 10.** A fairly deep yellow. Well-formed flowers; stems stiff and heavy. Season—late September to June. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Spartan Gold.** Deep golden yellow. Long spikes on heavy stems; very productive. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.

Yellow Hybrids, continued

- 1 **Venus.** (German.) Bright golden yellow. Uniform, vigorous, with hard stem and close-set florets. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00.
- 1 **Vermont.** Primrose-yellow. Spikes long and graceful. Stems hard, clean and uniform. Tr. pkt. \$4.00.
- 1 **War Admiral.** (Yoder Bros.) Fine yellow for winter. Tr. pkt. \$4.00.

OUTDOOR SNAPDRAGONS

218,000 S; 65° to 70° F.; 1 to 2 weeks; Feb. 10

New Rocket Series

All-America Award Winners for 1960

The most spectacular award-winning flowers in a long time. The Rocket Series are the first F₁ hybrids purposely bred for garden use and hot-weather tolerance. The long heavy spikes on very heavy stems, with close-spaced florets, make this series outstanding performers everywhere. We predict these new Snaps will rapidly replace all other garden types in the same manner that the F₁ Hybrid Petunias have replaced the old open-pollinated class. Sow early February. Transplant and pinch when 2½ in. tall; set out in garden early.

Trials of these varieties placed in the hands of Florida growers in 1957 and 1958 have shown how well this strain produces under their conditions. We highly recommend the Rockets and Futurama strain for this culture.

Bronze Rocket. Autumn-gold suffused pink.

Golden Rocket. Beautiful deep golden yellow.

Orchid Rocket. Lovely orchid-pink.

Pink Rocket. Lovely pink. Fine spikes.

Red Rocket. Finest of series; highest scorer in All-America trials. Beautiful scarlet-crimson with dark reddish green foliage and stems.

Rose Rocket. Refreshing medium rose with touch of yellow on lip.

White Rocket. Long, graceful, creamy white spikes. Greatly improved strain with heavier stems and larger, closely set spikes.

Mixed Rocket. Formula mixture of all the above varieties.

Any of above, $\frac{1}{2}$ tr. pkt. (500 seeds) \$1.75; tr. pkt. (1/128 oz., 1500 seeds) \$3.00, $\frac{1}{64}$ oz. \$5.50, $\frac{1}{32}$ oz. \$10.00, $\frac{1}{16}$ oz. \$19.25, $\frac{1}{8}$ oz. \$36.50, $\frac{1}{4}$ oz. \$69.50

Rocket Collection:

Seven 500-seed packets (1 of each color) for \$10.50

Vanguard. F₁ Hybrid Double. All-America Award Winner for 1960. Rose-pink with yellow lip markings; 100% double. Its large double florets and long spikes are extremely attractive. 500 seeds \$1.40, 1/128oz. \$2.50, $\frac{1}{64}$ oz. \$4.50, $\frac{1}{32}$ oz. \$8.50.

All Double Varieties Mixed. Mixture of rose, crimson, yellow, pure white and bronze, well blended. Sow in early February for maximum results. Tr. pkt. \$2.50, $\frac{1}{64}$ oz. \$3.75, $\frac{1}{32}$ oz. \$7.00, $\frac{1}{16}$ oz. \$13.50, $\frac{1}{8}$ oz. \$21.00.

VACATIONLAND SNAPS (F₁ Hybrids).

Earlier than the Rockets but with the same large spikes. They come back quickly for a second crop. These half-tall varieties are most vigorous. Each plant produces up to 15 spikes with laterals as tall as the first center spikes. Ideal for cutting and bedding.

Torch. Beautiful new scarlet-rose.

Vacationland Mixture. Formula mixture from eight separate colors.

Either of above, $\frac{1}{2}$ tr. pkt. (500 seeds) \$1.75, tr. pkt. (1/128oz., 1500 seeds) \$3.00, $\frac{1}{64}$ oz. \$5.50, $\frac{1}{32}$ oz. \$10.00, $\frac{1}{16}$ oz. \$19.25, $\frac{1}{8}$ oz. \$36.50, $\frac{1}{4}$ oz. \$69.50

FUTURAMA or PANORAMA SNAPS

Garden variety for cut-flower production outdoors. All have very heavy sturdy stems, needing no support. Compact florets on long, tapering spikes make these new varieties a "must" for either amateur or professional cut-flower use.

Futurama Mixed. Mixture of six colors in proper proportions. Tr. pkt. ($\frac{1}{64}$ oz.) 55c, $\frac{1}{16}$ oz. \$1.45, $\frac{1}{4}$ oz. \$5.00, oz. \$15.00.

OUTDOOR SNAPS, continued

FIRST LADIES SERIES

Early flowering. Average height 30 to 36 in. Very husky plants. Seedlings are similar to the Tetras in this respect. Spikes are extremely long, with large, close-set flowers. Plants break profusely, and it is not necessary to stake them. Two crops can be cut each summer if planting is done by June 1.

Crimson. Beautiful velvety crimson.

Light Orange. Bright light orange.

Pink. Light pink shades.

White. Long stems; pure white.

Yellow. Bright deep yellow.

Mixture. Formula mixture containing all the above colors.

Any of above, tr. pkt. ($\frac{1}{32}$ oz.) \$1.40, $\frac{1}{16}$ oz. \$2.50, $\frac{1}{8}$ oz. \$4.50, $\frac{1}{4}$ oz. \$8.10

First Ladies Collection: 5 tr. pkts. (1 of each color) for \$6.25.

United Sprites. F₁ Hybrid Nanum

Very early bloom, ideal for mass beds since they require no staking. They grow 14 to 18 in. high, and the mixture is made up from seven separate colors. $\frac{1}{2}$ tr. pkt. (500 seeds) \$1.15, tr. pkt. (1/128oz.) \$2.25, $\frac{1}{64}$ oz. \$4.00, $\frac{1}{32}$ oz. \$7.20, $\frac{1}{16}$ oz. \$13.00, $\frac{1}{8}$ oz. \$24.70.

Tetraploid Varieties

104,800 S; 65° to 70° F.; 1 to 2 weeks; Feb. 10

Tetra Mixture. A much-improved range of colors in this mixture. Ideal for outdoor cut. Tr. pkt. 50c, $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.35, oz. \$6.75.

Maximum Rust-Resistant Varieties

Love Letters. A new and different kind of Snap. Dwarf plants, only 10 to 12 in. high. Each plant produces DOZENS of flower-spikes over a long blooming period. Spikes are surprisingly large, on 18 to 24-in. stems. All known Snapdragon colors are represented in this mixture. Beautiful, distinct, extra vigorous, rust-resistant plants. Tr. pkt. 80c, $\frac{1}{16}$ oz. \$1.25, $\frac{1}{8}$ oz. \$2.25, $\frac{1}{4}$ oz. \$4.00

Formula Mixture. Hand-blended mixture; contains all the colors in the correct proportion. Tr. pkt. 40c., $\frac{1}{8}$ oz. 70c, $\frac{1}{4}$ oz. \$1.25, oz. \$3.75.

ASTERS

14,850 S; 65° to 75° F.; 1 to 2 weeks; for spring sales sow 6 weeks before selling date

FORCING ASTERS: Asters form flower buds when axis elongation occurs. This does not occur under daylight periods less than 15 hours, unless the temperature is above 70°. Short days prevent axis elongation, but speed up bud development. The resulting flower is smaller and on a shorter stem.

ADDITIONAL LIGHTING SCHEDULE: 40-watt bulbs, 6 ft. apart and 2 ft. above the plant tops, give sufficient light for this crop. Give 3 hours additional lighting during the months of August, September, October and March. Give 4 hours additional lighting during November and February, and 5 hours additional lighting during December and January. We recommend lights set to come on at 10:00 P.M. Start lights on seed flats as soon as leaves appear and continue lights until first flowers show color.

Pot seedlings as soon as large enough. We highly recommend Jiffy-Pots for this. Space 8 x 8 in. in the bench. Don't pinch. The new Duchesse varieties should be spaced 7 x 8 in. or 7 x 7 in.

Sowing	Potting	Benching	Blooming
Nov. 1	Nov. 25	Jan. 10	Apr.
Dec. 20	Jan. 20	Mar. 1	May
Feb. 1	Feb. 20	Apr. 1	June
Mar. 10	Apr. 1	Apr. 15	July
Apr. 20	May 10	June 15	Aug.
May 20	June 10	July 15	Sept.
June 10	July 1	Aug. 1	Oct.

We cannot recommend forcing cut-flower types from November to mid-March.

Culture for Forcing Asters

For cut-flower use either in the greenhouse or outside, the new Pink Lady, Early Beauty, Duchesse and Ball or Giant Incurved are best.

To produce large bloom size, it is necessary to remove the lower branches and thus limit the number of flowers per plant to five or six. Lateral stems will produce better quality if disbudded to one flower per stem.

The Cregos are the ever-popular shaggy types. Early Giants are the same type bloom but earlier, while the Super Giants have the largest blooms with long stiff stems and bloom about 10 days later than the Cregos.

ASTERS, continued

Dwarf Queen. Early flowering; 10 in. high. Wilt-resistant, dwarf base-branching plants with large double flowers freely produced. Will make ideal pot plants. We suggest placing three plants in a 5 or 6-in. pot or single plants in a 3½ or 4-in. pot. Do not mix colors in a pot, for each color blooms at a different time. To bloom in pots follow lighting schedule given in first column.

Sown Aug. 1, will bloom Dec. 13
Aug. 20, will bloom Jan. 10
Sept. 10, will bloom Feb. 10
Oct. 1, will bloom Mar. 20
Oct. 19, will bloom Apr. 18

For sowing at times other than above dates, follow schedule given for forcing cut-flower Asters. Prick off to 2¼-in. pots about three to four weeks after sowing. The final shift to blooming-size pots is made about six weeks after transplanting.

Crimson. Deep rose.
Deep Blue. Violet-blue
Light Blue. True lilac-lavender.
Rose. Bright rose-pink.
White. Pure white.
Mixed Colors. Mixture of all colors.

Any of above, tr. pkt. 60c, ¼oz. \$1.25, oz. \$3.75

Best Asters for Greenhouse Forcing and Cloth House Culture

Giant Spider Types—Wilt-Resistant

Giant Spider White. Extremely large (5½ to 6 in. in diameter), pure white. Plants 30 in. tall bear a multitude of these beautiful blooms.

Giant Spider Pink. Lovely bright salmon-pink. Blooms not quite so large as the white.

Giant Spider Mixed. A mixture of five colors.

Any of above, tr. pkt. 75c, ¼ oz. \$2.00, oz. \$6.00

NEW FLORIST STRAIN. This new larger-flowered, longer-stemmed variety with full, tight centers has been developed for forcing under glass, for cloth house culture and direct planting outside. Beautiful new wilt-resistant type. We placed many trials of these new Asters in growers' hands the past three seasons, and they have all reported well on them.

Pink Lady. Large rose-pink. A new Aster color, a shade darker than shell-pink and well liked by both wholesale and retail florists. This new pink has nearly eliminated all other pink Asters from the wholesale market. Tr. pkt. \$1.75, ¼oz. \$3.20, ½oz. \$5.00, oz. \$9.60.

Resected Ball Varieties or Giant Incurred. Wilt-resistant. This strain shows remarkable vigor and also more resistance to Aster wilt. Stems are longer and cleaner, bloom size is larger. An outstanding improvement over the original strain.

Azure Ball. Light blue. **Rose Ball.** Deep rose.
Pink Ball. Shell-pink. **White Ball.** Pure white.
Purple Ball. Rich dark blue.
Florists' Mixed. Contains 30% white, 20% pink, 10% Pink Lady, 20% azure, 10% rose, 5% purple, 5% scarlet.

Scarlet Ball. Very double blooms, similar in color to Heart of France.

Any of above seven colors of New Improved Ball Varieties, tr. pkt. \$1.75, ¼oz. \$3.20, oz. \$9.60, ¼lb. \$29.00

Early Beauty. These new colors have been forced both in the greenhouse and in the cloth house. The extremely large flowers and good heavy long stems, together with the high percentage of tight full centers, have brought these new strains into prominence.

Yellow. A new color break in Asters. Large creamy yellow blooms on strong, heavy stems. Highest quality, large blooms.

Salmon-Pink. Beautiful pastel salmon. Readily received on the wholesale market. Large flowers with full, tight centers; long, strong stems.

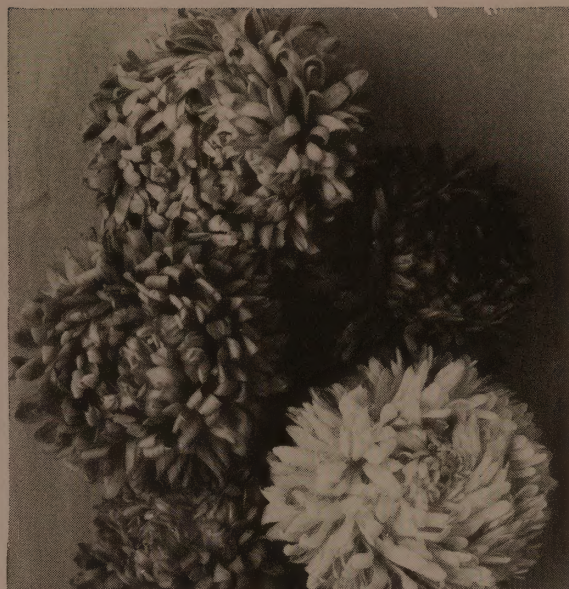
Scarlet. Clear rosy scarlet, large flowers on long stems. Excellent for cutting and shipping.

Any of above, tr. pkt. 75c, ¼oz. \$2.00, oz. \$6.00

Super Princess. An improved strain with longer, stronger stems and larger flowers. Bred for cut-flower use; recommended for forcing in the greenhouse or in cloth houses.

Coppery Rose **Pure White** **Scarlet Pimpernel**
Light Blue **Salmon-Pink** **Soft Pink**
Formula Mixed

Any of above, tr. pkt. 50c, ¼oz. \$1.50, oz. \$3.75



ASTER, Giant Incurred Florists' Mixed

ASTERS, continued

Duchesse. (New.) An entirely new race of Asters for cut-flower use. Large chrysanthemum-type blooms, 4½ to 5 in. in diameter. Vigorous, long stems; brilliant green foliage. Large, globe-shaped blooms resemble giant mums. Long keeping, wilt-resistant. Tested under all conditions this past spring and summer. Many enthusiastic reports have been received. See "Additional Lighting Schedule" for culture.

Carmine. Bright carmine-rose.

Dark Blue. Beautiful dark blue.

Delicate Pink. Gorgeous light pink.

Yellow. The first color offered in this new strain. The brightest yellow Aster to date.

Any of above, tr. pkt. \$1.25, ¼oz. \$3.00, oz. \$9.00

American Branching and the Royals. Second early, following Queen of the Market types. Large, robust flowers in mid-August. 2 to 2½ ft. tall.

Azure-Blue

Rose

Purple

Scarlet

White

Shell-Pink (Mary Semple)

Mixture of Above Colors

Any of above, ⅛oz. 35c, ¼oz. 65c, oz. \$2.00

Popular Varieties for the Home Garden, Also Good Forcing Types

Early Giant Wilt-resistant. Very early blooming. Giants of California type.

Azure-Blue. (New.) Soft azure-blue.

Crimson. (New.)

Peach Blossom. Opens white, flushed lavender-pink.

Rose Marie. Deep rose.

White. (New.) Pure white.

Finest Mixed. Blend of above colors.

Any of above, tr. pkt. 50c, ¼oz. \$1.25, oz. \$3.75

Super Giant Wilt-resistant. (New.) The long-awaited wilt-resistant strain of true giant ostrich-feather flowers. Heavy non-lateral stems. Plants 3 ft. high.

Finest Mixed. Full mixture of all colors. Tr. pkt. 50c, ¼oz. \$1.50, oz. \$4.50.

Early Charm Mixed. Extremely early blooming—earlier than Queen of the Market type. Plants stand 18 in. tall, producing many laterals with long clean stems that support a profusion of 3-in., double flowers. Tr. pkt. 50c, ¼oz. \$1.50, oz. \$4.50.

Crego. The Early Giants and Super Giants are superior to Crego in flower size and quality. Early Giants are earlier by 10 days than Crego and Super Giants about a week later but with large flowers and longer, heavier stems. For this reason we have dropped the Cregos from our catalog.

ASTERS, continued

Bedding Princess Mixed. Attractive new cutting type that has become very popular wherever grown. Branching, early and free flowering. Mixture of all Princess colors. Tr. pkt. 45c, $\frac{1}{4}$ oz. \$1.30, oz. \$3.90.

Bouquet. Wilt-resistant.

Mid-Blue

Peach Blossom

Powderpuffs. Mixture of all colors.

Purple

Rose-Pink

White

Scarlet

Any of above, tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.50, oz. \$4.50, $\frac{1}{4}$ lb. \$14.00

Heart of France. Very distinct rich red. Blooms early September. Tr. pkt. 40c, $\frac{1}{4}$ oz. \$1.25, oz. \$3.75.

All Double Varieties Mixed. Originator's mixture of wilt-resistant strains.

Single Rainbow Upright. Habit allows plant to be cut as a bunch. **Either of above, tr. pkt. 30c, $\frac{1}{4}$ oz. 50c, oz. \$1.50**

ASPARAGUS

750 S; 70° to 80° F.; 4 to 6 weeks

High-germinating seed, averaging 75 per cent germination at 70-degree soil temperature.

Plumosus nanus

Sprengeri

Either of above, 250 seeds 65c, 1000 seeds \$2.50, 5000 seeds \$10.00, 10,000 seeds \$18.50

BASIL, Ornamental

20,000 S; 60° F.; 1 week; Mar. 15

Basil is widely used in European countries for its ability to keep away mosquitoes and flies. Plantings around our own home this past season seem to confirm this theory.

Dark Opal. All-America Award Winner for 1962. The first foliage plant to merit an All-America. The entire plant is novel, ornamental, unusual and desirable. Numerous spikes of small single white blooms appear, to enhance the over-all effect, but they are small and not especially significant for a floral display. As an herb fresh or dried, it is regularly used for flavoring. Tr. pkt. \$1.00, $\frac{1}{4}$ oz. \$3.15, oz. \$9.35.



BEGONIA, Thousand Wonders

BEGONIAS

30,000 S to $\frac{1}{32}$ oz.; 65° to 75° F.; 2 to 3 weeks; sow Jan. for 4 in. for May sales

PARIS MARKET STRAIN. Compact growing, with green foliage. Very large, 2 to 2 $\frac{1}{2}$ -in. flowers with large, golden yellow centers. Early and free flowering, non-fading and heat resistant.

Paris Market Red. Large bright red blooms with large attractive yellow centers.

Paris Market Rose-Pink. Blooms 2 in. in diameter, bright rose-pink. Heat resistant.

Paris Market White. Pure white.

Any of above, tr. pkt. \$1.50, $\frac{1}{64}$ oz. \$3.00, $\frac{1}{32}$ oz. \$5.00

F₁ HYBRIDS

Matador. Scarlet blooms. Green foliage. Compact and vigorous; early flowering. Sunproof. Tr. pkt. \$2.50, $\frac{1}{128}$ oz. \$6.50.

Organdy. New mixture of hybrid Begonias, sun and rainproof. Beautiful colors; extremely floriferous. For bedding or pot plants. Tr. pkt. \$2.50, $\frac{1}{256}$ oz. \$5.00, $\frac{1}{128}$ oz. \$9.00.

Thousand Wonders Pink (Tausendschoen). Beautiful bright sunproof pink. Dwarf. Tr. pkt. \$2.50, $\frac{1}{128}$ oz. \$6.50.

Thousand Wonders Red (Tausendschoen). Rich carmine-scarlet. Most free-blooming dwarf red. Sunproof. Tr. pkt. \$2.50, $\frac{1}{128}$ oz. \$6.50.

Thousand Wonders White (Tausendschoen). Pure white flowers on dwarf, compact, early-flowering plants. Sunproof. Tr. pkt. \$2.50, $\frac{1}{256}$ oz. \$9.60.

5 pkts. of any one of the above F₁ Hybrids for \$11.25

All Varieties Mixed. Mixture of the best colors of all classes. Tr. pkt. \$1.00, $\frac{1}{64}$ oz. \$2.00, $\frac{1}{32}$ oz. \$3.75.

Dwarf Mixture. A special mixture of all dwarf varieties. Tr. pkt. \$1.25, $\frac{1}{64}$ oz. \$2.50, $\frac{1}{32}$ oz. \$4.50.

TUBEROUS-ROOTED. Early January sowing will make excellent plants for sales from June on.

Double Mixed. Carefully selected from a European specialist's collection. About 80% doubles. Tr. pkt. \$2.50.

Multiflora Erecta Mixed. New selection with double, medium-sized, bright-colored flowers. The multicolored, ornamental leaves (many resemble the leaves of Rex types) greatly enhance the beauty of this variety. Upright; free blooming. Outstanding for bedding and porch boxes. Tr. pkt. (750 seeds) \$2.25, $\frac{1}{256}$ oz. \$7.00.

Pendula Mixed (Lloydi). Hanging-basket types. Double flowers 2 in. and over in diameter, in shades of scarlet, rose, salmon, pink and white. Tr. pkt. \$2.50.

BALSAM

3335 S; 65° to 70° F.; 2 to 3 weeks; Apr. 15

Color Parade (Tom Thumb). New dwarf strain. Large double blooms in an excellent color range, well displayed on bushy plants. Tr. pkt. ($\frac{1}{8}$ oz.) \$1.00, $\frac{1}{4}$ oz. \$1.80, oz. \$5.40, $\frac{1}{4}$ lb. \$16.20.

Camellia-flowered, Mixed. Extra double. Tr. pkt. 35c, oz. \$1.00.

Double Bush-flowering, Mixed. Tr. pkt. 45c, $\frac{1}{4}$ oz. 85c, oz. \$2.50

BELLS OF IRELAND

7,000 S; 50° F.; 3 to 5 weeks

Immensely popular with floral artists. Tr. pkt. 40c, $\frac{1}{4}$ oz. 70c, oz. \$2.10, $\frac{1}{4}$ lb. \$6.30.

BROWALLIA

65,000 S; 65° to 75° F.; 2 to 3 weeks; Dec.

Speciosa major. For potting and combinations. Violet-blue, $1\frac{1}{2}$ -in. flowers carried on 10 to 12-in. plants. Tr. pkt. \$1.00, $\frac{1}{16}$ oz. \$2.00.

CALCEOLARIA

600,000 S; 60° to 70° F.; 2 to 3 weeks; sow Aug. 1 for early Easter, Sept. 10 for Mother's Day

Hybrid Mixed. The first F₁ Hybrid Calceolaria. Medium-sized florets produced in large heads. Brilliant reds and yellows with some spotted make this an outstanding mixture. Hybrid vigor requires that this plant be finished in 6-in. pots rather than 5 in. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.

Nana Multiflora. Compact, free-blooming strain. Brilliant colors. Tr. pkt. \$1.50.

Dwarf Tigered or Spotted. Dwarf and compact. Tr. pkt. \$1.00, $\frac{1}{64}$ oz. \$2.50.



CANDYTUFT, Super Hyacinth-flowered, Iceberg

CANDYTUFT

9500 S; 65° to 70° F.; 1 to 3 weeks

Hyacinth-flowered

Super Hyacinth-flowered, Iceberg. Individual florets up to one and one-half times as large as current strains. Should make Candytuft even more important as a florists' crop. Tr. pkt. 65c, 1/2oz. \$3.00, oz. \$5.50.

Giant Hyacinth-flowered, White Pinnacle. (New last year.) A valuable florist item. Pure white, taller than others. Tr. pkt. 75c, 1/4oz. \$1.90, 1/2oz. \$3.50, oz. \$6.00.

Florists' Giant Hyacinth-flowered, White. Enormous trusses of uniform blooms, very regular in growth. Tr. pkt. 50c, 1/2oz. \$1.00, oz. \$1.75.

CALENDULA, Forcing Varieties

4550 S; 65° to 70° F.; 2 to 3 weeks; Apr. 10

Ball Gold Improved

Ball Lemon Queen

Ball Long Orange Improved

Masterpiece. Deep orange-brown center; extra-long stem.

Mixed Colors. Mixture of above colors.

Any of above, tr. pkt. 35c, 1/4oz. 50c, oz. \$1.50

Bedding Varieties

Pacific Beauties. Not for forcing, but excellent for bedding and summer cutting.

Apricot Beauty. Attractive two-toned apricot.

Lemon Beauty. Pure lemon yellow.

Persimmon Beauty. True persimmon-orange.

Flame Beauty. Deep orange.

Pacific Beauties Mixture. A blend of all four colors.

Any of above, tr. pkt. 35c, 1/4oz. 60c, oz. \$2.00

Collection: one pkt. each of above four colors and mixture (5 pkts.) for \$1.40

CARNATION, Chabaud's Giant Improved Strain

14,585 S; 65° to 70° F.; 2 to 3 weeks; Feb. 1

**Blood-Red
Scarlet**

**Rose Queen
Flesh-Pink**

**White
Yellow**

Orange Sherbet. Orange petals striped and flushed scarlet.

Florists' Mixture. Special mixture of the best colors.

Any of above, tr. pkt. 40c, 1/4oz. \$1.25, oz. \$3.75

CARNATION, continued

Dwarf Fragrance. Very early flowering. Extremely fragrant. Good flower size and complete color range. Tr. pkt. 75c, 1/8oz. \$1.35, 1/4oz. \$2.50, oz. \$7.50.

Giant Malmaison, J. M. Bridgeford. A superb mixture. Blooms freely all summer; 16 to 20 in. Tr. pkt. 40c, 1/4oz. \$1.25, oz. \$3.75.

Baby Mixed. Fine new annual for bedding and plant sales. Dainty double flowers, profusely borne. Tr. pkt. 60c, 1/8oz. \$1.25, 1/4oz. \$2.35.

Grenadin. See perennial types, page 24.

CENTAUREA

6050 S; 65° to 70° F.; 1 to 3 weeks

Super-giant Cyanus (Cornflower). Long-stemmed, large flowers and fully double strains.

Blue Boy	Pinkie	Red Boy	Snowman
Any of above, tr. pkt. 25c, 1/2oz. 40c, oz. 65c, 1/4lb. \$2.20			

Dusty Millers. The silvery white, fern-like leaf types are much used for borders, combinations and cemetery urns.

7500 S; 65° to 70° F.; 3 to 4 weeks; Dec. and Jan.

Hoar Frost (*Maritima candicans*). New dwarf variety growing about 12 in. tall. Very fine slitted silver foliage makes it extremely decorative when used in borders or groups. Tr. pkt. 60c, 1/4oz. \$1.50, oz. \$4.50.

Candidissima. 6 in. A slow grower. Must be started early. Leaf type fine fern-like. Tr. pkt. 60c, 1/4oz. \$1.25, oz. \$3.75.

Gymnocarpa. Silver-leaved, strong-growing fern leaf. Tr. pkt. 25c, oz. 90c.

CLEOME

(Spider Plant)

22,500 S; 65° to 70° F.; 1 to 2 weeks; Mar. 1

This popular Spider Plant, a native of South American jungles, enjoys summer heat and lots of moisture. Its large showy flowers and lush growth make an excellent hedge-like planting for background work. New flowers are constantly formed, leaving attractive, long slender seed pods.

Helen Campbell. Pure white. Tr. pkt. 50c, 1/4oz. 90c, oz. \$1.50.

Pink Queen. Soft pink. Tr. pkt. 35c, 1/4oz. 55c, oz. \$1.90.



CLEOME, Helen Campbell

CELOSIA

29,400 S; 65° to 70° F.; 1 to 2 weeks; Mar. 15

Improved Cristata (Dwarf Cockscomb).

Dwarf Golden Yellow.

Fireball. Bright scarlet.

Rose. Bright rose-pink.

Finest Mixed. Outstanding selection of very bright shades growing only 6 to 7 in. tall. Uniform dwarf habit.

Any of above, tr. pkt. 50c, 1/8oz. \$1.40, 1/4oz. \$2.50

Cristata nana, Dwarf Firebrand. Uniformly dwarf. Large, scarlet-crimson comb.

Cristata nana, Kardinal. Large, brilliant cardinal-red combs. 8 in. Above two, tr. pkt. 50c, 1/8oz. \$1.00, 1/4oz. \$1.85

CELOSIA, continued

Cristata (Semi-Dwarf Cockscomb).

Red and Gold. Unique golden yellow striped with red. 15 in.

Toreador. All-America Selection, 1955. Lustrous bright red. For garden display, cutting and drying for winter arrangements. 18 to 20 in.

Either of above, tr. pkt. 75c, $\frac{1}{4}$ oz. \$2.00, oz. \$6.00



CELOSIA, Pampas Plume

Giant Plumosa. 43,500 S. (New.) $2\frac{1}{2}$ ft.

Crimson Fleece. Bright crimson; dark foliage.

Forest Fire Improved. An improvement over the original. Earlier flowered, dwarfer, with much larger plumes in a more glistening orange shade.

Golden Fleece. Golden yellow spikes.

Pampas Plume. Many new colors. A distinct mixture.

Any of above, tr. pkt. 40c, $\frac{1}{8}$ oz. 65c, $\frac{1}{4}$ oz. \$1.20

Dwarf Plumosa. Feathery type, base branching.

Lilliput, Fire Feather. Glowing scarlet.

Lilliput, Golden Feather. Bright yellow.

Dwarf Orange Feather. Brilliant orange, later changing to brilliant scarlet. The dwarfest of the group.

Dwarf Feather Mixture.

Any of above, tr. pkt. 30c, $\frac{1}{8}$ oz. 70c, $\frac{1}{4}$ oz. \$1.30

CHRISTMAS CHERRIES AND PEPPERS

See Solanum, page 20.

CINERARIA

200,000 S; 65° to 70° F.; 2 to 3 weeks

Dwarf Erfurt. Ideal for small pots. Grows 8 to 10 in. tall and 10 to 12 in. in diameter. The last word in Cinerarias. Tr. pkt. \$1.50.

Cremer's Prize Strain. Tr. pkt. \$1.50, $\frac{1}{64}$ oz. \$2.25.

Siter's Rainbow Strain. Tr. pkt. \$1.50, $\frac{1}{64}$ oz. \$2.50.

Cremer's & Siter's. Mixture of equal proportions of these leading strains. Tr. pkt. \$1.50, $\frac{1}{64}$ oz. \$2.50.

Festival. Bushy, compact, small-leaved strain. Medium-sized heads and mostly white-eyed flowers in a brilliant color range. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00, $\frac{1}{64}$ oz. \$4.50.

COLEUS

100,000 S; 70° to 80° F.; 2 to 3 weeks; Nov. through Jan.

German's Rainbow Mixture. Extremely fine strain of small to medium-leaved Coleus, with a wide range of striking and pastel colors. We are certain that we have the most brilliant strain available and challenge comparison. $\frac{1}{2}$ tr. pkt. \$1.00, tr. pkt. \$1.75, $\frac{1}{64}$ oz. \$2.25, $\frac{1}{32}$ oz. \$4.15, $\frac{1}{16}$ oz. \$8.00, $\frac{1}{8}$ oz. \$14.75.

Rainbow Strain, Regular Mixture. Tr. pkt. 75c, $\frac{1}{32}$ oz. \$1.80, $\frac{1}{16}$ oz. \$3.25, $\frac{1}{8}$ oz. \$6.00.

Fringed Leaved. Has a high percentage of fringed leaves with bright colors. Medium leaved. $\frac{1}{2}$ tr. pkt. 90c, tr. pkt. \$1.50, $\frac{1}{64}$ oz. \$2.10.

Separate Colors from Seed, Small-leaved. (85 to 95% true to type.) We are offering thirteen distinct, separate colors from seed in the small-leaved class, making it no longer necessary to grow separate colors from cuttings. Plant habits are dwarf and base-branching.

Autumn Brilliancy (Alpenglow.) Solid salmon-pink.

Autumn Glow (Antic Beauty). Salmon-pink edged with spotted green.

Autumn Splendor. Coppery red with deep golden border.

Color Pride. Bright amaranth-red, edged green.

Creamy White Edged Green (Candidum)

Golden Rainbow. Light green dusted golden yellow.

Pink Sensation. Beautiful salmon with narrow green edge.

Red Velvet. Brilliant blood-red.

Rose Shades. Beautiful bright rose.

Rustic Splendor. Rustic autumn color with wide amber edges. The beautiful color holds true all season. Dwarf, compact, ball-shaped plants. $\frac{1}{2}$ tr. pkt. \$1.50, tr. pkt. \$2.50, $\frac{1}{64}$ oz. \$3.30, $\frac{1}{32}$ oz. \$6.00, $\frac{1}{16}$ oz. \$11.00.

Salmon Rainbow. Delicate salmon-pink.

Scarlet Rainbow. Brilliant scarlet, narrow green edge.

Volcano. Brilliant scarlet. Holds its color throughout its entire life. Vigorous and profuse. $\frac{1}{2}$ tr. pkt. \$1.50, tr. pkt. \$2.50, $\frac{1}{64}$ oz. \$3.30, $\frac{1}{32}$ oz. \$6.00.

Large-leaved

Mixed Colors. Formula mixture of six colors.

Any of above, Separate Colors or Large-leaved Mixed, except Rustic Splendor and Volcano, $\frac{1}{2}$ tr. pkt. \$1.25, tr. pkt. \$2.00, $\frac{1}{64}$ oz. \$3.00, $\frac{1}{32}$ oz. \$5.85, $\frac{1}{16}$ oz. \$10.50

COSMOS

5500 S; 65° to 70° F.; 1 to 2 weeks

New Early Sensation. Full color range, blooming two weeks earlier. Tr. pkt. 30c, $\frac{1}{4}$ oz. 55c, oz. \$1.75.

CUPHEA

7000 S; 65° to 75° F.; 2 to 3 weeks

Firefly. Dense, compact plants with many flowers, often called Firecrackerplant. Makes an attractive plant for combinations and bedding. Tr. pkt. 40c, $\frac{1}{8}$ oz. 75c, $\frac{1}{4}$ oz. \$1.35, oz. \$4.00.

CYCLAMEN

Bonfire. Brilliant salmon.

Bright Red.

Perle of Zehlendorf. Dark salmon color.

Pure White.

Rose of Zehlendorf. Light salmon color.

Saffron-Red, Silver Edged.

White with Carmine Eye.

Mixture of Above Colors.

New Ruffled Mixed. Complete mixture of new types.

Any of above, \$2.50 per 100, \$20.00 per 1000
250 of a variety at 1000 rate

CYNOGLOSSUM

5000 S; 65° to 75° F.; 2 to 3 weeks

Firmament. 18 in. Clear blue flowers. Excellent bedder; stands hot dry weather. Tr. pkt. 25c, $\frac{1}{4}$ oz. 45c, oz. \$1.35.



DAHLIA, German's Dwarf Double Type

DAHLIA

4060 S; 65° to 70° F.; 2 to 3 weeks; late Jan. For 4 and 5-in. plants for Mother's Day, sow Dec. 1

Easily raised from seed, Dahlias bloom profusely the same year sown. For small plant sales and combinations sow January 15. Tubers can be dug in fall and replanted, a sales item in selling to home gardeners. If sown in early December and pinched back, makes an excellent pot plant for Mother's Day.

Dwarf Varieties

Coltness Strain. 18 in. Single, dwarf, free flowering. Tr. pkt. 30c, 1/4oz. 80c, oz. \$2.50, 1/4lb. \$7.50.

German's Dwarf Double and Semi-Double Hybrids. An Improved Unwin. Tr. pkt. 50c, 1/4oz. 90c, oz. \$2.70, 1/4lb. \$8.10.

Unwin's Ideal Bedding. Dwarf, compact habit. Bright-colored. Profuse, double and semi-double flowers. Tr. pkt. 30c, 1/4oz. 80c, oz. \$2.50, 1/4lb. \$7.50.

Tall Varieties

Select Large-flowered Decorative. Best mixture of doubles and semi-doubles. Tr. pkt. 60c, 1/8oz. \$1.85, 1/4oz. \$3.50.

Extra Double Cactus Hybrids Mixed. Large, cactus-type blooms, double and semi-double. 3 to 4 ft. Tr. pkt. \$1.00, 1/4oz. \$2.50, oz. \$7.50.

DIANTHUS

23,100 S; 65° to 70° F.; 2 to 3 weeks; Feb. 1 to 20

Baby Doll. Extra dwarf, giant-flowered mixed. This new strain brought forth many favorable comments in our trial gardens. An outstanding dwarf variety in brilliant shades. Individual blooms measure 2 to 2 1/2 in. in diameter. 6 to 8 in. high. Tr. pkt. (1/8oz.) 70c, 1/4oz. \$1.20, oz. \$3.50.

Bravo. New All-America Award Winner for 1962. An outstanding, dazzling scarlet-red. The profusely blooming plants grow about 10 to 12 in. high and remain completely covered with blooms all season. Fine for pots, edging or mixed flower beds. Tr. pkt. 90c, 1/8oz. \$1.65, 1/4oz. \$3.00, 1/4oz. \$5.00, oz. \$15.00.

Heddewigi laciniatus, Double Gaiety. A full double form in all carnation shades. Tr. pkt. 35c, 1/4oz. 75c, oz. \$2.50.

Heddewigi, Single Brilliant Mixed. Large blooms, all beautifully zoned. Tr. pkt. 35c, oz. \$2.50.

DRACAENA

1000 S; 65° to 75° F.; 5 to 7 weeks; Dec. and Jan. (takes 14 to 18 months)

Indivisa. Tr. pkt. 20c, oz. 55c, 1/4lb. \$1.65, lb. \$5.50.

Indivisa, Cleaned Seed. (2500 seeds per 1/4oz.) 1/16oz. 40c, 1/4oz. \$1.00, oz. \$3.00, 1/4lb. \$9.00.

GAILLARDIA (Blanket Flower)

9550 S; 65° to 70° F.; 2 to 3 weeks; Mar. 15

Gaiety Mixed. Bright-colored double mixture. Tr. pkt. 20c, 1/4oz. 50c, oz. \$1.50.

GLOXINIA

800,000 S; 65° to 75° F.; 2 to 3 weeks

Sow in January for blooming plants in 4-in. pots during June and July. Gloxinia seed is very fine and must be carefully handled.

German's Special Mixture. Complete color range, mixed from separate colors. Tr. pkt. \$1.25, 6 tr. pkts. \$6.00.

GODETIA

46,000 S; 65° F.; 2 to 3 weeks

Dwarf Double Azalea-flowered. Very bright colors. Grows about 16 in. tall. Fully double flowers that hold well when cut. Recommended for garden decoration and cutting. Tr. pkt. 40c, 1/4oz. 80c, oz. \$2.40.

GOMPHRENA (Globe Amaranth)

10,150 S; 65° to 75° F.; 2 to 3 weeks; Feb. or Mar.

Buddy. Dwarf plants with small, ball-shaped, bright reddish purple flowers. Excellent for borders and combinations.

Cissy. New pure white companion to Buddy.

Dot and Dash. Formula blend of dwarf Buddy and Cissy. Makes a striking border plant.

Any of above, tr. pkt. 60c, 1/4oz. \$1.00, oz. \$3.00

Tall

Rubra. 2 ft. Bright reddish purple.

Mixture. 2 ft. Purple, silvery white, pink and orange.

Either of above, tr. pkt. 30c, 1/4oz. 50c, oz. \$1.50



GLOBE AMARANTH, Bunch-flowered

Bunch Mixed. The photograph above does not properly portray this beautiful plant. The many flower heads, closely grouped, make this a fine novelty. Can be used for bedding, combinations, fresh cut or dried. Colors include red, purple, orange, white and pink. Tr. pkt. (1/8oz.) 60c, 1/4oz. \$1.00, oz. \$3.00.

GREVILLEA (Silk Oak)

3000 S; 65° to 75° F.; 2 to 3 weeks; Aug. and Sept.

Robusta. Popular foliage plant used with Poinsettias. Tr. pkt. 40c, 1/4oz. \$1.35, oz. \$4.00.

GYPSOPHILA

34,000 S; 60° to 70° F.; 1 to 2 weeks

Covent Garden Market. Large, white, full-petaled flowers. Oz. 30c, 1/4lb. 75c, lb. \$2.50.

Elegans grandiflora, London Market. Oz. 30c, 1/4lb. 85c, lb. \$2.50.

HELIOTROPE

53,000 S; 65° to 75° F.; 3 to 4 weeks; Mar. 1

Dwarf Regale Mixture. Fragrant strain, 15 in. tall. An excellent variety with large, lavender-violet flower heads. Tr. pkt. 40c, 1/4 oz. \$1.00.



HELIOTROPE, Dwarf Regale Mixture

IMPATIENS

45,000 S; 65° to 75° F.; 2 to 3 weeks; Jan. 1 for Mother's Day, Feb. 1 for June 1

Ideal for bedding in shady places. Excellent for spring combinations if sown February 1. Easily grown. To germinate, make drills in flat, sow seed but do not cover seed; place glass on flat and put on heat pipe. Use very open soil in seed flat.

Sultanii nana

Dwarf Bright Rose. Deep rose. Compact and free flowering.

Dwarf Orange Baby. New extra-dwarf, flat-growing variety of bright orange color.

Dwarf Pink Baby. (New.) Bright coral-pink. Same compact habit as others in the Baby series.

Dwarf Scarlet Baby. A bright scarlet counterpart to above, with the same plant habits.

Any of above, tr. pkt. (1/128oz.) \$1.10, 1/64oz. \$2.00, 1/32oz. \$3.50, 1/16oz. \$6.00, 1/8oz. \$10.00, 1/4oz. \$18.00

Ice Crystals. Pure white. In our trials the most dwarf, compact variety on the market. Tr. pkt. \$2.50, 1/64oz. \$4.20, 1/32oz. \$7.00.

Royal Jewel. Distinctly different. Bright royal purple, compact and free flowering. 1/128oz. \$2.50, 1/64oz. \$4.35, 1/32oz. \$7.50, 1/16oz. \$13.50.

Baby Mixed. A formula mixture of all the above colors. A more complete range of colors on dwarf, spreading plants. Tr. pkt. 85c, 1/64oz. \$1.50, 1/16oz. \$4.50, 1/8oz. \$8.00, 1/4oz. \$13.50.

Nana Mixed. Contains all the above colors and many others. Tr. pkt. 85c, 1/64oz. \$1.50, 1/16oz. \$4.50, 1/8oz. \$8.00, 1/4oz. \$13.50.



IMPATIENS, Ice Crystals

IPOMOEA

(Moonflower or Morning-Glory)

675 S; 65° to 70° F.; 1 to 3 weeks (soak seeds); Feb. through Mar.

Clarke's Heavenly Blue. To give you prompt, even germination, we are offering scarified seeds. Tr. pkt. (1/4oz.) 35c, oz. 90c.

KALANCHOE

2,500,000 S; 65° to 75° F.; 1 to 2 weeks

The increasing popularity of this plant is due to its durability in the home. Normally flowers from late January through February; however, plants may be flowered for Christmas (very showy when panned with poinsettias) if seed is sown in January and plants black clothed for four weeks beginning September 1 and grown at 60°. Seed sown August 1 will make 2 1/4 in. for Valentine's Day if grown at 50° with no black cloth. Plants do best at a minimum night temperature of 60°. They need good air circulation.

Ernst Thiede. Very dwarf, compact growth. Glowing red.

Tom Thumb. Very dwarf. Short flowering stems form just above foliage.

Either of above, tr. pkt. \$1.50, 1/128oz. \$3.00

Vulcan. An improved Tom Thumb. Sturdier grower, larger and brighter red. Tr. pkt. \$1.25, 1/128oz. \$3.50.

Yellow Tom Thumb. Plants have same habit as Tom Thumb. Sixty percent of the plants are a brilliant yellow, the remainder scarlet. Tr. pkt. \$1.75.

KOCHIA (Summer Cypress)

30,800 S; 65° to 75° F.; 1 to 2 weeks; Apr. 15 to May 1

Childsii. Very attractive bush; stays clean fresh green. Tr. pkt. 15c, oz. 50c.

LANTANA

1300 S; 65° to 75° F.; 6 to 7 weeks

Bruant's Dwarf Hybrids Mixed. Must be sown early (November) with bottom heat to make good-sized plants. One of the most satisfactory annuals. Does well in sun or shade. Tr. pkt. (1/16oz.) 35c, 1/4oz. \$1.00, oz. \$3.00.

ANNUAL LARKSPUR

9410 S; 55° to 65° F.; 3 to 4 weeks

Giant Imperial or Base Branching

New strains of tall-growing, base-branching, upright plants with huge central spike. Fully double flowers in the best colors and varieties available as the result of our extensive trials under glass and outdoors.

Dark Blue. Rich violet-purple.

Deep Carmine. Richer than Carmine King.

Light Blue. Soft azure-blue.

Pink. Brilliant pink on salmon.

Rose. Long-stemmed deep rose.

Salmon-Rose. Rich salmon.

White. Pure white. Long stems.

Mixed. Mixture of all the above colors.

Any of above, tr. pkt. 35c, 1/4oz. 60c, 1/2oz. \$1.00, oz. \$1.75, 1/4lb. \$5.00, lb. \$15.00

One pkt. each of the 7 separate colors and Mixed (8 pkts.) for \$2.35

LOBELIA

910,000 S; 60° to 70° F.; 2 to 3 weeks; Jan. through Feb.

Very popular bedding and combination plants, unsurpassed for bright blue edging. Sow not later than February 1. Partial or complete shade.

Compacta

Blue Carpet. Beautiful pure blue. Vigorous and free blooming. Plants neatly dwarf and compact; bright green foliage. Excellent in our trials.

Cambridge Blue. Light blue.

Crystal Palace. Deep blue. Dark foliage.

Emperor William. Gentian-blue. Green foliage. Better than Blue Gown.

Heavenly. Entirely different—beautiful bright blue. Blooms over three times the size of other Lobelias, averaging 1 in. in diameter. Plant habit is erect. This variety should make an excellent pot plant, for it grows only 6 to 8 in. high. Excellent for combinations, borders and bedding. Tr. pkt. (1/64oz.) 80c, 1/16oz. \$2.35, 1/4oz. \$7.00.

LOBELIA, continued

Mrs. Clibran Improved. Deep blue with white eye. Dark foliage.

Rosamond. Deep carmine with white eye. Tr. pkt. 40c, 1/8oz. \$1.25.

White Lady. Pure glistening white.

Any Lobelia, except as noted, tr. pkt. 40c, 1/4oz. \$1.25, oz. \$3.75

Pendula or Trailing

Sapphire. Deep blue with white eye. Tr. pkt. 40c, 1/4oz. \$1.20.

MARIGOLDS

8000 S; 65° to 70° F.; 1 to 2 weeks; Mar. 1 to 15

GIANT AMERICAN F₁ HYBRIDS

Toreador. All-America Award Winner for 1960. Deep golden orange blooms, averaging 3 to 3 1/2 in. Bushy plants reach about 3 ft. high. Very productive and early to bloom.

Golden Climax. Exquisite deep golden yellow.

Primrose Climax. Cool soft tones of clear creamy primrose. Blooms are freely produced on 3-ft. plants.

Yellow Climax. Bright yellow blooms, up to 5 in. across. Plants 2 1/2 to 3 ft. high, covered with an abundance of flowers.

Climax Mixed. Mixture of yellow, orange and gold.

Any of above, tr. pkt. 85c, 1/16oz. \$2.50, 1/8oz. \$4.50, 1/4oz. \$8.00, oz. \$25.00

FOR CUTTING—CARNATION-FLOWERED

Burpee Gold Improved. Orange; odorless.

Man-in-the-Moon. Pale moon-yellow.

Yellow Supreme. Dazzling lemon.

Treasure Chest. Well-blended mixture.

Any of above, tr. pkt. 40c, 1/4oz. 70c, oz. \$2.00

Crackerjack.® All colors known to Giant Marigolds. Blooms 4 to 6 in. in diameter, 30 to 36 in. tall. Tr. pkt. 40c, 1/4oz. \$1.00, oz. \$3.00.

®Registered trade mark of Bodger Seeds, Ltd.

CHRYSANTHEMUM-FLOWERED

Early Sunshine. Bright lemon-yellow.

Goldsmith. Golden orange.

Mammoth Mum. Light sulphur-yellow. Largest flowered.

Orange Mum. (New.) Vivid rich orange. Very large.

Choice Mixture. A formula mixture of the above colors.

Any of above, tr. pkt. 55c, 1/4oz. \$1.00, oz. \$3.00

Nearest-to-White. The best selections of the palest yellow and cream colors in all types. Plants grow 2 to 3 ft. tall. Tr. pkt. (1/16oz.) \$1.00, 1/8oz. \$1.75, 1/4oz. \$3.00, oz. \$9.00.

DWARF FRENCH DOUBLES

9000 S; 65° to 70° F.; 1 to 2 weeks; Jan. 15 for early Apr., Mar. 1 for June 1

Petite Marigolds®

All-America Award Winners for 1958

This new class of Extra Dwarf Doubles has received the award because it fills a much-felt need for extra-dwarf, very early, uniformly even and extremely floriferous varieties for flat sales, borders, bedding, combinations and mass effects.

Petite Gold. Pure golden yellow.

Petite Orange. Dwarf, truer and more prolific than Sunkist.

Petite Harmony. Uniform, dwarf, early bloomer. Maroon collar with bright orange crest.

Petite Spry. Extremely uniform, dwarf, more floriferous and richer colored than Dwarf Spry. Deep mahogany-red collar with gold crest.

Petite Yellow. Extremely uniform, clear strong yellow. Dwarf and prolific.

Petite Mixed. Five colors mixed in equal proportions.

Any of above, tr. pkt. 45c, 1/4oz. 75c, oz. \$2.25, 1/4lb. \$6.75

Special Collection: 1 tr. pkt. of each of above 5 colors and mixture (6 pkts.) for \$2.25.

®Registered trade mark of Denholm Seed Co.



MARIGOLD, Petite

MARIGOLDS, continued

Brittany. Deep mahogany-red with slight golden tip. Very early flowering and plants retain their dwarf, neat habit all season.

Brownie Scout. The Girl Scouts of America Official Flower for 1962. Fully double, rich golden yellow with a small red fleck near base of petals.

Color Magic. Bright and interesting color mixture. Large flowers. Very uniform habit.

Gypsy. Lively new blend, presenting the widest color range ever offered. Very early-flowering, dwarf mound-shaped plants completely covered with fully double, 1 1/2-in. blooms.

Lemon Drop. Sparkling lemon-yellow. An improved Yellow Pygmy with larger, fully double flowers.

New Extra Dwarf Harmony. Maroon collar, bright orange center.

Rusty Red. Large, fully double, red flowers. Free blooming.

Spry. Dark red petals and golden crest.

Sunkist. Deep golden orange.

Tangerine. Very double, large, tangerine-orange blooms.

Spry Hybrids Mixed. True dwarf habit in a complete range of colors and flower types.

Any of above, tr. pkt. 35c, 1/4oz. 55c, oz. \$2.00, 1/4lb. \$6.00

CUPID VARIETIES

Cupid Golden. (New.) A rich golden color.

Cupid Yellow. Dwarf; 8 in. Primrose-yellow, chrysanthemum-like flowers, 2 1/2 to 3 in. across.

Cupid Orange. (New.) True strain of orange.

Cupid Mixed. Various shades of orange, primrose and yellow.

Any of above, tr. pkt. 50c, 1/8oz. 90c, 1/4oz. \$1.75, oz. \$5.00

Spun Gold. All-America Award Winner for 1960. This new strain has received tremendous popular approval. Stunning in flats and sells on sight. Just what growers have been looking for, only 10 to 12 in. high. The bushy plants are early bloomers. Fully double, mum-flowered and golden yellow. It is larger flowered and much earlier than the Cupids. Should be sown late Jan. Tr. pkt. 65c, 1/8oz. \$1.15, 1/4oz. \$2.00, oz. \$6.00, 1/4lb. \$18.00.

In order to have Spun Gold in bloom for late May sales, it should be sown no later than early February. Cupids should be sown January 10 to 15. Although these large-flowered dwarf varieties are slower to bloom, the outstanding plant they produce will easily make them worth the extra effort. Grow in a warm house.



MARIGOLD, Dainty Marietta

MARIGOLDS, continued

DWARF FRENCH SINGLES

10,000 S; 60° to 70° F.; 1 to 2 weeks; Feb. 1 for early Apr., Mar. 1 for June 1

The Dwarf French Marigolds are excellent for spring flat sales, combination work, bedding and borders.

Dainty Marietta. Very early and compact. Brighter yellow than Naughty Marietta. Excellent for flat sales and borders.

Naughty Marietta. Freely produced, single, golden yellow flowers with attractive dark red eyes. 12 in.

Ruffled Red. Beautifully ruffled mahogany-red, edged gold.

Sunny. Clear yellow. Profuse blooming habit.

Spanish Flag. Fine mixture of the single varieties.

Any of above 5 varieties, tr. pkt. 35c, 1/4oz. 65c, oz. \$1.80

TAGETES SIGNATA PUMILA

A very compact, dome-shaped plants, 7 to 8 in. tall, with fine lacy foliage and literally covered with tiny single flowers.

Golden Gem. (New.) Same habit as Lulu but bright orange.

Lulu. (New.) Bright yellow. Compact, ball-shaped plant about 7 in. high.

Either of above, tr. pkt. 40c, 1/4oz. \$1.20, oz. \$3.60

MESEMBRYANTHEMUM

100,000 S; 65° to 75° F.; 2 to 3 weeks

Criniflorum (Livingstone Daisy). Spreading, 6-in. plants literally covered with beautiful, 1-in. blooms in attractive colors. Needs full sun and a dry location. Tr. pkt. 50c, 1/4oz. \$1.20, oz. \$3.60.

Crystallinum (Ice Plant). Stems and foliage covered with icicle-like crystals that flash in the sun. Dainty white or pink blooms borne profusely. Tr. pkt. (1/8oz.) 50c, 1/4oz. 90c, oz. \$2.70.

MIMOSA

4500 S; 65° to 75° F.; 3 to 4 weeks

Pudica (Sensitive Plant). An interesting novelty, for the leaves collapse when touched. Tr. pkt. 35c, 1/4oz. 65c, oz. \$2.00.

NASTURTIUM

175 S; 65° to 70° F.; 2 to 3 weeks

Tall Single Mixed. These make a good winter crop for retail growers. Sow a few seeds around posts in carnation or other benches for colorful blooms all spring. Oz. 30c, 1/4lb. 90c.

NICOTIANA

239,000 S; 65° to 70° F.; 1 to 2 weeks; Apr. 15

Daylight White. White; large flowered. 36 in. tall.

Daylight Sensation Mixed. (New.) Blooms remain open during daytime. Brilliant range of colors.

Either of above, tr. pkt. 40c, 1/4oz. \$1.00

NIEREMBERGIA

182,900 S; 70° to 75° F.; 2 to 3 weeks; Dec. and Jan.

Hippomanica. Light lavender. Old type becoming very popular again for use in cemetery urns, hanging baskets, etc., because of its trailing habit.

Purple Robe. Unusually attractive for combination work and bedding.

Either of above, tr. pkt. 50c, 1/64oz. \$1.00, 1/32oz. \$1.75

PANSY

21,700 S; 65° to 70° F.; 2 to 3 weeks; late Dec.

Early January sowing will make attractive plants to sell in the spring. We have been specializing in Pansy seed for a number of years and we list below the leading varieties for the average florist. Roggli's seed is the finest strain in the world, with rich colors and huge flowers. Petals have a texture that makes this strain outstanding.

Mammoth White. White with very small yellow eye. The first F₁ Hybrid Pansy in a separate color. Actual counts in our trial gardens have shown these F₁ hybrids throw from 100 to over 200% more flowers than the standard varieties. Flowers retain their size much later in the season and bloom better all season. Tr. pkt. \$2.00, 1/6oz. \$4.00, 1/8oz. \$7.00, 1/4oz. \$12.00.

Pure White. F₁ hybrid. The largest pure white Pansy that we know. Blooms are 3 in. in diameter. Shows the same hybrid vigor as Mammoth White. Tr. pkt. \$2.00, 1/6oz. \$4.15, 1/8oz. \$7.60, 1/4oz. \$14.00.

French Giants. A new classification of giant-flowered Pansies. Extremely early blooming. Compact habit.

Blue Dream. Clear mid-blue, pictured in color on catalog insert.

Fire Dream. Fiery red.

Golden Dream. Golden yellow, without blotch or whiskers.

Snow Dream. Very early pure white.

Any of above, tr. pkt. 75c, 1/8oz. \$1.60, 1/4oz. \$2.75, oz. \$9.00

King Sized Mixed. Superlative new mixture with the characteristics that appeal most to market growers. Blooms giant in size, larger than Swiss Giants, yet possessing excellent substance. All colors included, plus some new shades. Tr. pkt. \$1.75, 1/8oz. \$4.00, 1/4oz. \$7.25, 1/2oz. \$12.50, oz. \$22.75.

German's New Winter-flowering. A new development; large flowering. Butterfly type in size, color and shape. Often measures 3 in. across. Very tall growing with long stems. Mostly delicate colors. Tr. pkt. \$1.50, 1/8oz. \$3.75, 1/4oz. \$7.25.

Pacific Giant Hybrid, Color Carnival. Exceptionally large blooms on plants that plainly show their vigor. A remarkable accomplishment in bloom size and color. Predominantly red and wine shades. Tr. pkt. \$1.55, 1/8oz. \$4.50, 1/4oz. \$8.00, oz. \$24.00.

Roggli's Elite Mixture. (Originator.) Finest mixture of bright attractive colors. Especially recommended for its large flowers and uniformity in color and habit. The best strain of Swiss Giant Pansy obtainable anywhere. Tr. pkt. \$1.50, 1/8oz. \$3.75, 1/4oz. \$7.00, oz. \$22.00.

Eureka, Early-flowering Swiss Giant. Large, bright-flowering mixture of the Swiss Giant class, earlier to bloom by about 10 days. A "must" for early sales. Tr. pkt. 75c, 1/4oz. \$3.15, 1/2oz. \$5.75, oz. \$10.50, 1/4lb. \$36.00.

German's Special Swiss Giants. (New.) This new mixture has very large flowers in an excellent range of colors. It brought many favorable remarks in our trials. Tr. pkt. 75c, 1/4oz. \$3.15, 1/2oz. \$5.75, oz. \$10.50, 1/4lb. \$36.00.

Swiss Market or Florist's Strain. This is a new mixture with large flowers and an outstanding range of colors, for your select trade. Tr. pkt. 75c, 1/8oz. \$1.40, 1/4oz. \$2.75, oz. \$9.00, 1/4lb. \$25.00.

SWISS GIANTS IN SEPARATE COLORS

Alpenglow. Rich garnet-red.

Berna. Dark velvet without eye.

Blumlisalp. Pink-carmine.

Coronation Gold. The finest clear yellow.

Firebeacon. Brick-red.

Lake of Thun. Blue with dark blue blotches.

Pay Dirt. Largest golden yellow with dark rays.

Pure White.

Raspberry Rose. A lovely pink with a deep velvety blotch.

Rhinegold. Yellow with deep brown blotch.

Super Beaconsfield. Beautiful blue, lower petals shading to white, flushed lilac on the upper petals.

Any of above separate colors, tr. pkt. 75c, 1/8oz. \$1.70, 1/4oz. \$2.75, oz. \$9.00

PETUNIAS

250,000 S; 65° to 70° F.; 1 to 2 weeks; sow in Nov. for Easter, from then to Mar. for different sizes for June

F₁ HYBRID GRANDIFLORAS OR LARGE-FLOWERED TYPES

Try these new types and see the difference. They are uniform, vigorous, freer in bloom and show color earlier and more uniformly.

Trade Packets. Most seedsmen place 1000 seeds in a trade packet of F₁ Hybrid Petunias. When they were first introduced, we started with 1/256oz. as a trade packet and have always kept this size. Our trade packets (by actual seed count) run from 1120 to 1480 seeds, and the 1/2trade packet holds half this amount. The number of seeds varies with the varieties and also varies somewhat each season. Buy from German and get a 25 to 50% bonus on your trade packet purchases.



PETUNIA, Snow Magic

F₁ HYBRID, SINGLE GRANDIFLORA or LARGE-FLOWERED TYPES

250,000 S; 65° to 75° F.; 1 to 2 weeks; Jan. 15 to Mar. 1

RED

Tango Improved. Bright flaming scarlet-red. The dwarf, compact, free-blooming habit has always made this variety popular. Now greatly improved in color, habit and resistance to spotting.

Toreador. Bright deep velvety crimson-red. The best of the crimson Grandifloras in our trials in color, flower size and habit. Huge, ruffled blooms, 4 in. in diameter. Extremely prolific, with clean dark green foliage.

Either of above two, 1/2tr. pkt. \$1.50, tr. pkt. \$2.75, 1/128oz. \$4.75, 1/64oz. \$8.75, 1/32oz. \$16.75, 1/16oz. \$32.00, 1/8oz. \$60.75, 1/4oz. \$115.75, 1/2oz. \$220.50, oz. \$420.00

Red Ensign. Plain-edged bright cherry-scarlet. The erect, dwarf, free-blooming habit makes this excellent variety popular for flat and bedding sales.

Velvet Robe. Bright purple—a new color in Petunias. 100% Grandiflora. Extremely compact and very free flowering. Plants never get tall.

Either of above two, 1/2tr. pkt. \$1.00, tr. pkt. \$1.75, 1/128oz. \$3.50, 1/64oz. \$6.50, 1/32oz. \$12.00, 1/16oz. \$20.00, 1/8oz. \$36.00, 1/4oz. \$65.00

Scarlet Lustre. Vivid scarlet. Blooms waved and fringed, with bright yellow throat. Sturdy, compact, erect plants are profuse blooming and resistant to botrytis. 1/2tr. pkt. \$1.75, tr. pkt. \$3.00, 1/128oz. \$5.25, 1/64oz. \$9.75, 1/32oz. \$18.00, 1/16oz. \$34.25, 1/8oz. \$65.00.

SALMON

Ballerina. Soft glowing salmon. One of the most popular varieties. Color holds well under the summer sun. Large, fringed flowers on dwarf, compact plants. This variety has been vastly improved since its introduction and should be on all growers' lists.

Maytime. Flowers are a stunning soft salmon-pink, 3 1/2 in. in diameter and more. Plants grow only 12 in. tall and remain compact and vigorous. Continuously covered with blooms.

Either of above two, 1/2tr. pkt. \$1.50, tr. pkt. \$2.75, 1/128oz. \$4.75, 1/64oz. \$8.75, 1/32oz. \$16.75, 1/16oz. \$32.00, 1/8oz. \$60.75, 1/4oz. \$115.75, 1/2oz. \$220.50, oz. \$420.00

BICOLORS

Calypso. Striking red and white bicolor. Large fringed flowers on dwarf plants. The best variety by far in this color.

Cavalier. Rich salmon and white fringed.

Crusader. Large, fringed rose-pink-on-white variegation. The sharp contrast in color makes this variety very attractive.

Fandango. Rich violet-blue and white variegated—an attractive bicolor. Good-sized blooms.

Pennant. Bright as an admiral's pennant flying from a mast-top. Large ruffled flowers in various combinations of rich violet-blue and white. The dwarfest, earliest flowering, most prolific blue and white Grandiflora available today.

Sabre Dance. (New) Startling new color combination, bright maroon with white star. Extra-large, ruffled blooms 4 1/2 in. in diameter. Extremely prolific and vigorous.

Any of above six, 1/2tr. pkt. \$1.50, tr. pkt. \$2.75, 1/128oz. \$4.75, 1/64oz. \$8.75, 1/32oz. \$16.75, 1/16oz. \$32.00, 1/8oz. \$60.75, 1/4oz. \$115.75, 1/2oz. \$220.50, oz. \$420.00

Minstrel Improved. Blue and white. Improved for uniformity of the white star marking and flower size. More dwarf and vigorous. Shows a bit more white. 1/2tr. pkt. \$1.00, tr. pkt. \$1.75, 1/128oz. \$3.50, 1/64oz. \$6.50, 1/32oz. \$12.00, 1/16oz. \$20.00, 1/8oz. \$36.00, 1/4oz. \$65.00.

WHITE

Dwarf Snowcap Improved. Improved in earliness of bloom. Same large flower, pure white, similar to Popcorn but 100% Grandiflora. Vigorous, dwarf, free-blooming plants. 1/2tr. pkt. \$1.00, tr. pkt. \$1.75, 1/128oz. \$3.50, 1/64oz. \$6.50, 1/32oz. \$12.00, 1/16oz. \$20.00, 1/8oz. \$36.00, 1/4oz. \$65.00.

Blizzard. Extremely large, pure white Grandiflora, offered last year as White Giant. Early, very profuse and vigorous, yet dwarf and compact in habit. Recommended for flats, pots and bedding. A bed of these large white Petunias reminds one of a midwinter blizzard, for the whole bed is a solid bank of white.

La Paloma Improved (Aristocrat). Pure white blooms with well-fringed petal edges and yellow throat. More dwarf and profuse blooming than White Magic. The most beautiful white we have ever grown.

Snow Magic. Shimmering white, a larger flowered improvement on White Magic. Plants are extremely free with these large blooms.

White Magic. Pure white ruffled Grandiflora blooms. Dwarf compact habit.

Any of above four, 1/2tr. pkt. \$1.50, tr. pkt. \$2.75, 1/128oz. \$4.75, 1/64oz. \$8.75, 1/32oz. \$16.75, 1/16oz. \$32.00, 1/8oz. \$60.75, 1/4oz. \$115.75, 1/2oz. \$220.50, oz. \$420.00

PINK AND ROSE

Chiffon. Light pastel pink color that varies in intensity. Extra large flowers.

Pink Magic. Early, free flowering, smooth bright pink. Popular for pots, combinations and bedding.

Prima Donna Improved. Warm rose-pink with slightly creamy yellow throat. Early, dwarf and free flowering. A real improvement in color and habit on this popular variety. 3 1/2 to 4-in. blooms.

Any of above three, 1/2tr. pkt. \$1.50, tr. pkt. \$2.75, 1/128oz. \$4.75, 1/64oz. \$8.75, 1/32oz. \$16.75, 1/16oz. \$32.00, 1/8oz. \$60.75, 1/4oz. \$115.75, 1/2oz. \$220.50, oz. \$420.00



PETUNIA, F₁ Hybrid, Pennant

PETUNIAS, continued

F₁ HYBRID GRANDIFLORAS, continued

Rose Veil. A distinct new color—white or blush-pink with fine rose veins. Large, fringed flowers freely produced on dwarf, vigorous plants. Unexcelled for pots and combinations. A good bedder. $\frac{1}{2}$ tr. pkt. \$1.00, tr. pkt. \$1.75, $\frac{1}{128}$ oz. \$3.50, $\frac{1}{64}$ oz. \$6.50, $\frac{1}{32}$ oz. \$12.00, $\frac{1}{16}$ oz. \$20.00, $\frac{1}{8}$ oz. \$36.00.

BLUE

Blue Lace. Heavily fringed, 3-in., wide-throated flowers are light blue, heavily netted and veined with deep violet-blue.

Blue Magic. Beautiful violet-blue with light throat, 3 in. in diameter. Dwarf, compact, extra vigorous, easily grown. The most outstanding deep blue in any of the trials observed. Should be on every grower's list.

Lavender Lace. Lovely rosy orchid, large fringed version of Sugar Plum.

Summer Sky. (Sky Magic. As it will be introduced under this name in 1963, we will change the variety name in 1964. This is to familiarize our customers with the name change.) Beautiful new shade of light silvery sky-blue. Large flowers. Plant dwarf and compact, completely covered all season with many, many large blooms.

Any of above four, $\frac{1}{2}$ tr. pkt. \$1.50, tr. pkt. \$2.75, $\frac{1}{128}$ oz. \$4.75, $\frac{1}{64}$ oz. \$8.75, $\frac{1}{32}$ oz. \$16.75, $\frac{1}{16}$ oz. \$32.00, $\frac{1}{8}$ oz. \$60.75, $\frac{1}{4}$ oz. \$115.75, $\frac{1}{2}$ oz. \$220.50, oz. \$420.00

Blue Lustre. Flowers are a deep velvety blue; as they mature, they develop a rich red undertone. 12 in. high and spreads to 24 in. at end of season. Never a pause in flower production. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00, $\frac{1}{128}$ oz. \$5.25, $\frac{1}{64}$ oz. \$9.75, $\frac{1}{32}$ oz. \$18.00, $\frac{1}{16}$ oz. \$34.25, $\frac{1}{8}$ oz. \$65.00.

Blue Mantle. Medium-sized, ruffled flowers of rich violet-blue. Fairly dwarf but erect plant with blooms well displayed. $\frac{1}{2}$ tr. pkt. \$1.00, tr. pkt. \$1.75, $\frac{1}{128}$ oz. \$3.50, $\frac{1}{64}$ oz. \$6.50, $\frac{1}{32}$ oz. \$12.00, $\frac{1}{16}$ oz. \$20.00, $\frac{1}{8}$ oz. \$36.00, $\frac{1}{4}$ oz. \$65.00.

GRANDIFLORA MIXTURES

Florists' Mixture (Ballet). Contains all the colors known in Grandiflora types. The formula is blended in the correct proportions. The best mixture available. $\frac{1}{2}$ tr. pkt. \$1.50, tr. pkt. \$2.75, $\frac{1}{128}$ oz. \$4.75, $\frac{1}{64}$ oz. \$8.75, $\frac{1}{32}$ oz. \$16.75, $\frac{1}{16}$ oz. \$32.00, $\frac{1}{8}$ oz. \$60.75, $\frac{1}{4}$ oz. \$115.75, $\frac{1}{2}$ oz. \$220.50, oz. \$420.00.

Color Parade. Special formula mixture containing the following colors in these percentages: 30% scarlet, 10% scarlet and white, 15% blue, 7% salmon, 10% pink, 10% rose, 10% white, 5% purple, 3% lavender. We have found this mixture to be exceedingly bright in our trials. Tr. pkt. \$1.35, $\frac{1}{128}$ oz. \$2.75, $\frac{1}{64}$ oz. \$4.60, $\frac{1}{32}$ oz. \$7.60, $\frac{1}{16}$ oz. \$13.25, $\frac{1}{8}$ oz. \$23.50, $\frac{1}{4}$ oz. \$42.00.

NEW CASCADE VARIETIES

The Cascade varieties produced more favorable comment than any other new Petunias in our trials. Plants are vigorous and carry a continuous profusion of extra large, $3\frac{1}{2}$ to $4\frac{1}{2}$ -in. blooms. Habit is spreading. Though they make an excellent bedder, they are bred for use in porch boxes, window boxes and hanging baskets.

Pink Cascade. Beautiful bright rose-pink with prominent light yellow throat.

Red Cascade. Fiery bright scarlet-red. The brightest scarlet Petunia.

White Cascade. Pure shimmering white. Extra large blooms are so profusely borne that it is almost unbelievable.

Cascade Mixed. Formula mixture containing 35% Red, 35% White, 20% Pink Cascade and 10% Fandango (blue and white bicolor).

Any of above, $\frac{1}{2}$ tr. pkt. \$1.50, tr. pkt. \$2.75, $\frac{1}{128}$ oz. \$4.75, $\frac{1}{64}$ oz. \$8.75, $\frac{1}{32}$ oz. \$16.75, $\frac{1}{16}$ oz. \$32.00, $\frac{1}{8}$ oz. \$60.75, $\frac{1}{4}$ oz. \$115.75, $\frac{1}{2}$ oz. \$220.50, oz. \$420.00

Collection: one pkt. of each of the above separate colors for \$7.00

CALIFORNIA GIANTS. (5 to 7 in. in diameter.)

Frolic. The first F₁ Hybrid California Giant. Early blooming. Plants reach a height of about 15 in. The 6 to 8-in. blooms come in a complete color range. With its hybrid vigor, it should bring this once-popular strain back in demand. $\frac{1}{2}$ tr. pkt. \$1.00, tr. pkt. \$1.75, $\frac{1}{128}$ oz. \$3.50, $\frac{1}{64}$ oz. \$6.50, $\frac{1}{32}$ oz. \$12.00, $\frac{1}{16}$ oz. \$20.00.

Paramount Giants. Free-flowering mixture of all shades. Well suited to outdoors; showy even under adverse conditions. Tr. pkt. \$1.35, $\frac{1}{64}$ oz. \$2.75, $\frac{1}{32}$ oz. \$4.75, $\frac{1}{16}$ oz. \$8.50, $\frac{1}{8}$ oz. \$15.00, $\frac{1}{4}$ oz. \$28.00.

F₁ HYBRID GRANDIFLORAS, continued

DWARF CALIFORNIA GIANTS IMPROVED. (5 to 7 in.)

150,500 S; 65° to 70° F.; 1 to 2 weeks; late Dec. to Mar. 1

Dwarf Giants of California, Extra-Dwarf Giants. Our best mixture, this new strain has been bred to fill the need for a truly dwarf pot Petunia. Flowers have well-marked open throats and are beautifully ruffled and fringed. $\frac{1}{2}$ tr. pkt. \$1.00, tr. pkt. \$1.75, $\frac{1}{64}$ oz. \$3.00, $\frac{1}{32}$ oz. \$5.50.

NEW F₁ HYBRID DWARF

Can-Can. Early dwarf F₁ Hybrid. These dwarf, vigorous plants reach a height of about 10 in. Bright colors predominate, and the extra large blooms are most striking. F₁ hybrid vigor places more blooms on the plants, and the plants bloom profusely all season. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00, $\frac{1}{128}$ oz. \$5.50, $\frac{1}{64}$ oz. \$10.00, $\frac{1}{32}$ oz. \$19.00, $\frac{1}{16}$ oz. \$36.00, $\frac{1}{8}$ oz. \$69.00.

F₁ HYBRID, SMALL-FLOWERED SINGLES OR MULTIFLORAS

These varieties have to a very large extent replaced the older open-pollinated varieties because of their early blooming and profuse, vigorous plant habit.

Trade Packets. Most seedsmen place 1000 seeds in a trade packet of F₁ hybrid Petunias. When they were first introduced, we started with 1/256oz. as a trade packet and have always kept this size. Our trade packets (by actual seed count) run from 1120 to 1480 seeds, and the $\frac{1}{2}$ trade packet holds half this amount. The number of seeds varies with the varieties and also varies somewhat each season. Buy from German and get a 25 to 50% bonus on your trade packet purchases.

BICOLORS

Blue Star. Violet-blue with pure white star. A new color combination in Multifloras, same color as the well-known Minstrel Petunia. Extremely dwarf and compact, yet vigorous habit. Excellent for urns, porch boxes, hanging baskets, etc. Should be on every grower's list. Companion plant to the popular scarlet and white Glitters. $\frac{1}{2}$ tr. pkt. \$1.00, tr. pkt. \$1.65, $\frac{1}{128}$ oz. \$3.00, $\frac{1}{64}$ oz. \$5.50, $\frac{1}{32}$ oz. \$10.00, $\frac{1}{16}$ oz. \$18.00.

Glitters. All-America Winner for 1957. Unique bicolored Petunia in dwarf compact form. Brilliant scarlet and white blooms profusely cover plants from start until frost.

Gypsy Parade. Excellent dwarf, vigorous habit. Beautiful bicolor flowers of good size, scarlet with white, mostly starred. Brighter and larger blooms than Glitters.

Either of above two, $\frac{1}{2}$ tr. pkt. \$1.25, tr. pkt. \$2.50, $\frac{1}{128}$ oz. \$4.10, $\frac{1}{64}$ oz. \$7.45, $\frac{1}{32}$ oz. \$14.00, $\frac{1}{16}$ oz. \$26.50, $\frac{1}{8}$ oz. \$47.50

Comet. Bright crimson-red with perfect white star. Dwarf, compact, free flowering, vigorous.

Polaris. Lovely violet-blue and white starred Multiflora. The perfect companion plant for Satellite.

Satellite. Bright rose with perfect white star. Dwarf, compact, profuse blooming.

Starcast. Bright bedding mixture of starred blooms in deep rose, pink, blue, salmon and violet, all beautifully starred in white.

Starmaster. The most distinctly colored variety to date. Large, $2\frac{1}{4}$ -in. blooms of deep violet-blue with a uniform contrasting white star. Vigorous, dwarf and extra early.

Star Trophy. Good-sized flowers with very uniform white stars on a beautiful dark blue background. Nice dwarf compact plants. Very regular markings.

Any of above six, $\frac{1}{2}$ tr. pkt. \$1.00, tr. pkt. \$1.75, $\frac{1}{128}$ oz. \$3.00, $\frac{1}{64}$ oz. \$5.50, $\frac{1}{32}$ oz. \$10.00, $\frac{1}{16}$ oz. \$19.25, $\frac{1}{8}$ oz. \$36.50, $\frac{1}{4}$ oz. \$69.50

BLUE AND PURPLE

Mercury. The new color in Multiflora Petunias—the clear light blue of Heavenly Blue. Perfectly uniform in color and type. Early and profuse bloomer.

Neptune. Light violet-blue. Excellent dwarf, compact, free-flowering, vigorous plants.

Either of above, $\frac{1}{2}$ tr. pkt. \$1.00, tr. pkt. \$1.75, $\frac{1}{128}$ oz. \$3.00, $\frac{1}{64}$ oz. \$5.50, $\frac{1}{32}$ oz. \$10.00, $\frac{1}{16}$ oz. \$19.25, $\frac{1}{8}$ oz. \$36.50, $\frac{1}{4}$ oz. \$69.50

Purple Glow. The most outstanding dark blue, both in dwarf compact habit and in free blooming. Same color as Admiral, but greatly improved in profuseness of bloom and plant vigor. Only 10 in. in height at end of season in our trials; much more dwarf and compact than Blue Ribbon. $\frac{1}{2}$ tr. pkt. \$1.00, tr. pkt. \$1.75, $\frac{1}{128}$ oz. \$3.50, $\frac{1}{64}$ oz. \$6.50, $\frac{1}{32}$ oz. \$11.70, $\frac{1}{16}$ oz. \$20.00, $\frac{1}{8}$ oz. \$35.00, $\frac{1}{4}$ oz. \$60.00.

F₁ HYBRID MULTIFLORAS, continued

WHITE

Paleface. Pure white. Unquestionably the most vigorous and extremely free-flowering white Petunia in existence. All growers who have observed this variety place it on their "must" list. This new selection will prove to be improved in earliness, dwarf compact habit and even more prolific than before. 1/2 tr. pkt. \$1.00, tr. pkt. \$1.75, 1/128oz. \$3.00, 1/64oz. \$5.50, 1/32oz. \$10.00, 1/16oz. \$19.25, 1/8oz. \$36.50, 1/4oz. \$69.50.

Snow Ball. Extra dwarf, early, pure white, 1 3/4-in. flowers completely cover this plant at all times. Globe-shaped, compact plants. Very desirable for flat sales and bedding. 1/2 tr. pkt. \$1.00, tr. pkt. \$1.65, 1/128oz. \$3.00, 1/64oz. \$5.50, 1/32oz. \$10.00, 1/16oz. \$18.00.

White Satin. An excellent pure white. Dark green foliage and profuse bloom make this variety outstanding. 1/2 tr. pkt. \$1.10, tr. pkt. \$1.80, 1/128oz. \$3.60, 1/64oz. \$6.75, 1/32oz. \$12.25, 1/16oz. \$22.25, 1/8oz. \$38.00, 1/4oz. \$69.40.

SCARLET AND CRIMSON

Comanche Improved (German's Strain). Brilliant scarlet-red. More dwarf, earlier and more profuse blooming habit than other strains. The color is brighter and more intense. Outstanding and highly recommended.

Mars. Crimson-red. Most dwarf, compact, vigorous of all the crimson Petunias. Vastly improved.

Sugar Plum. Lush, regal, rich wine-red. This striking color catches everyone's eye. Dwarf, compact plants are continuously covered with a multitude of blooms under all conditions.

Any of above three, 1/2 tr. pkt. \$1.00, tr. pkt. \$1.75, 1/128oz. \$3.00, 1/64oz. \$5.50, 1/32oz. \$10.00, 1/16oz. \$19.25, 1/8oz. \$36.50, 1/4oz. \$69.50

Red Glow. Bright scarlet-red. Very early and free flowering. Compact plant. Well liked by flat growers. 1/2 tr. pkt. \$1.00, tr. pkt. \$1.75, 1/128oz. \$3.50, 1/64oz. \$6.50, 1/32oz. \$11.70, 1/16oz. \$20.00, 1/8oz. \$35.00, 1/4oz. \$60.00.

Red Satin. All-America Winner for 1957. Richer, brighter, more dwarf scarlet-red, with larger flowers than the older strains of Comanche. Given the award because of its superiority. 1/2 tr. pkt. \$1.10, tr. pkt. \$1.80, 1/128oz. \$3.60, 1/64oz. \$6.75, 1/32oz. \$12.25, 1/16oz. \$22.25, 1/8oz. \$38.00, 1/4oz. \$69.40.

PINK, ROSE AND SALMON

Coral Satin. All-America Winner for 1961. Lovely coral-rose. Very compact, uniform habit. Low, mound-shaped plants completely covered with blooms. 1/2 tr. pkt. \$1.35, tr. pkt. \$2.50, 1/128oz. \$4.50, 1/64oz. \$8.00, 1/32oz. \$15.50, 1/16oz. \$29.00.

Cherokee. Celestial Rose shade. The dwarfest, most compact, earliest blooming variety in this color. A "must" for flat growers.

Linda. Clear light salmon-pink. Dwarf, vigorous, free-blooming plant. Color same as Silver Medal, but plant is more dwarf.

Silver Medal. Salmon-cerise. Uniform height (12 to 16 in.) and color. Profuse bloomer.

Venus. Bright rose-pink. Dwarf, compact and spreading. Best rose-pink color and plant habit in its class.

Any of above four, 1/2 tr. pkt. \$1.00, tr. pkt. \$1.75, 1/128oz. \$3.00, 1/64oz. \$5.50, 1/32oz. \$10.00, 1/16oz. \$19.25, 1/8oz. \$36.50, 1/4oz. \$69.50

YELLOW

Brass Band. Attractive deep cream color. The best bloomer and the brightest yellow introduced to date. Very free flowering. Plants upright and compact.

Yellow Glow. The deepest yellow Petunia we have ever observed. The 2-in. blooms stand above the dark green foliage. Free-blooming upright habit. Color does not fade like other yellows, but holds well all season.

Either of above two, 1/2 tr. pkt. \$1.00, tr. pkt. \$1.75, 1/128oz. \$3.00, 1/64oz. \$5.50, 1/32oz. \$10.00, 1/16oz. \$19.25, 1/8oz. \$36.50, 1/4oz. \$69.50

MIXTURES

War Paint (Pow-wow). The originator's own formula mixture of Multifloras. Extremely uniform and bright. 1/2 tr. pkt. \$1.00, tr. pkt. \$1.75, 1/128oz. \$3.00, 1/64oz. \$5.50, 1/32oz. \$10.00; 1/16oz. \$19.25, 1/8oz. \$36.50, 1/4oz. \$69.50.

Rainbow Petunia. All colors, from pure white to yellow, light pink through deep rose, light salmon to scarlet shades, light blue to purple and sugar plum shades. The most complete mixture offered. Tr. pkt. \$1.25, 1/64oz. \$2.35, 1/32oz. \$5.00, 1/16oz. \$9.00, 1/8oz. \$16.50, 1/4oz. \$30.00.

DOUBLE PETUNIAS

250,000 S; 65° to 70° F.; 1 to 2 weeks;

sow in Nov. for Easter, from then to Mar. for different sizes for June

German's Special All-Double Mixture. This is our own mixture from the best varieties. It is carefully blended from the best colors of Pan-American, Canadian and Sakata strains. All are large flowered and a high percentage are fringed. Our careful blending assures you of the finest range of bright-colored, dwarf, compact plants. Tops in popularity wherever grown. Because it is mixed from separate colors, the price is in line with those varieties. 1/2 tr. pkt. \$2.50, tr. pkt. \$4.00, 1/128oz. \$7.60, 1/64oz. \$14.45, 1/32oz. \$28.00, 1/16oz. \$55.00.

PAN-AMERICAN ALL-DOUBLES

In our opinion the most outstanding strain of Double Petunias offered today. Plants branch freely, are sturdy, compact, free flowering and the flowers are large and deeply fringed.

Allegro Improved. This outstanding variety has been greatly improved. Deep salmon, dwarf, giant fringed. A lovely new color.

Caprice Improved. Beautiful, deeply fringed bright rose flowers on dwarf compact plants. The best double rose obtainable.

Glorious Shades of Rose. Shades of rose, salmon and pink. Dwarf, compact habit. Early bloom. This is an improved Colossal Shades of Rose.

Lyric. New giant fringed light salmon—Maytime color. Dwarf, vigorous habit.

Minuet. Now vastly improved. We have found this to be the most suitable orchid for pots or bedding.

Nocturne. Deep midnight-purple flowers, very large. This strain has been much improved since first introduced.

Presto. Large, fully double flowers of rich bright rose and pure white. We prefer this to Gaiety, because the color is richer.

Rhapsody. Deep Burgundy-wine-purple, huge fringed flowers; very uniform. Dwarf, vigorous, free branching. The finest in its color class. Try it.

Sonata. The best double white ever offered to the trade. Very large flowered and deeply fringed. No semi-doubles.

Any of above, 1/2 tr. pkt. \$2.75, tr. pkt. \$4.75, 1/128oz. \$8.50, 1/64oz. \$16.00, 1/32oz. \$31.00, 1/16oz. \$59.00

All-Double Glorious Mixture. A formula mixture of Allegro, Caprice, Lyric, Minuet, Nocturne, Rhapsody, Sonata and Presto. 1/2 tr. pkt. \$2.50, tr. pkt. \$4.50, 1/128oz. \$8.00, 1/64oz. \$15.50, 1/32oz. \$29.25, 1/16oz. \$55.75, 1/8oz. \$106.25.



PETUNIA, Lyric All-Double

CANADIAN ALL-DOUBLES

Cotton Candy. A really outstanding, heavily fringed variety of exquisite form. Light salmon.

Canadian Queen. Fully double, bright medium to deep rose flowers about 3 in. in diameter. Compact, bushy plants.

Canadian Mixture, Improved. (100% double.) Improved by adding separate colors. Plants are uniformly dwarf, but vigorous and base branching.

Any of above, 1/2 tr. pkt. \$2.25, tr. pkt. \$4.00, 1/128oz. \$7.20, 1/64oz. \$13.00, 1/32oz. \$24.70, 1/16oz. \$48.00, 1/8oz. \$90.00

DOUBLE PETUNIAS, continued

ALL-DOUBLE MULTIFLORAS

The blooms are about 2½ in. in diameter and are very freely borne on compact, mound-shaped plants.

Cardinal Riches. Bright glowing scarlet.

Cherry Tart. Warm rose-pink variegated with sharp pure white.

Honey Bunch. Soft rich salmon-pink, the color of Linda or Lyric.

All-Double Multiflora Mixed. A mixture of equal proportions of the above three varieties plus America.

Any of above, ½tr. pkt. \$1.50, tr. pkt. \$2.75, 1/128oz. \$4.75, ¼oz. \$8.75, ½oz. \$16.75, 1/16oz. \$32.00, 1/8oz. \$60.75

Collection: one tr. pkt. of each of the 4 All-Double Multifloras (4 pkts.) for \$10.25

America. Beautiful deep rose. ½tr. pkt. \$1.75, tr. pkt. \$3.00, 1/128oz. \$5.50, ¼oz. \$10.00, ½oz. \$19.00, 1/16oz. \$36.50, 1/8oz. \$69.00.

SAKATA'S ALL-DOUBLE DWARF (VICTORIOUS) FRINGED

Gaiety. An old favorite, dwarf type in rose or light rose, red and white. Flowers 3½ to 4 in. in diameter. A wonder for combination work.

Rosy Carmine Reselected (World Beauty or Pink Perfection).

This improved variety has a brighter rose color and is more uniform in growth. 10-in. plants with 4-in. blooms. A "must" for pot-plant growers.

White Swan. All-double white. Fully 4½ in. in diameter, beautifully fringed.

Dwarf Giant (Victorious) Mixed. We add separate colors to the originator's mixture to give you a better color range.

Any of above, ½tr. pkt. \$2.25, tr. pkt. \$4.00, 1/128oz. \$6.50, ¼oz. \$12.00, ½oz. \$22.00

LARGE SINGLE FRINGED. Flowers 3 to 4 in. in diameter.

232,000 S; 65° to 70° F.; 1 to 2 weeks; Jan. 15 to Mar. 15

Fringed Snowstorm. Well-fringed, pure white flowers with golden throat, freely produced. Tr. pkt. \$1.00, ¼oz. \$1.80.

Super Fluffy Ruffles. Mixed colors, so intensely fringed and ruffled that the blooms resemble a double Petunia. Tr. pkt. \$1.00, ¼oz. \$1.90, ½oz. \$3.40.

White Mound. Plant forms a perfect mound of fringed, large blooms. Well liked by all who have grown it. Tr. pkt. \$1.00, ¼oz. \$1.80, ½oz. \$3.30.

LARGE-FLOWERED DWARF FRINGED (Erfurt Types)

Carmencita. Deep scarlet-salmon, an entirely new color that is a "knockout," nearly a true scarlet-orange. A dwarf Erfurt. Tr. pkt. \$1.50, 1/128oz. \$2.00, ¼oz. \$3.50.

Lace Veil. 8 in. Large, pure white, fringed flowers. Tr. pkt. \$1.00, ¼oz. \$1.80, ½oz. \$3.30.

Setting Sun. 8 in. Brilliant rose-pink, the most popular of its color. Tr. pkt. \$1.00, ¼oz. \$1.80, ½oz. \$3.30.

LARGE SINGLE PLAIN EDGED. Flowers 3 to 4 in. in diameter.

Bingo. Huge flowers richly variegated wine-red and white. ½tr. pkt. 85c, tr. pkt. \$1.50, ¼oz. \$4.50, ½oz. \$8.00, 1/16oz. \$14.00, 1/8oz. \$25.00.

Dwarf Elk's Pride. Velvety violet, a reselected strain. Tr. pkt. \$1.00, ¼oz. \$1.80, ½oz. \$3.30, 1/16oz. \$6.00.

Popcorn. We offer our customers a greatly improved new strain. Eliminates the weak growth habit and lack of vigor of the original strain but has the same dwarf, large-flowered plant. Large ruffled pure white. Tr. pkt. \$1.50, ¼oz. \$2.75, ½oz. \$5.00, 1/16oz. \$9.50, 1/8oz. \$18.00.

Scarlet Carnival. Large flowers, waved and fringed. Brilliant scarlet with yellow throat. Tr. pkt. (1/128oz.) \$1.60, ¼oz. \$2.55, ½oz. \$4.50, 1/8oz. \$8.50.

Snowstorm Improved. Best large-flowered, single pure white. Dwarf, compact habit of growth. Tr. pkt. \$1.00, ¼oz. \$1.80, ½oz. \$3.30, 1/16oz. \$6.00.

White Cloud. (Originator's strain.) Pure white. Dwarf, compact habit; free flowering. Tr. pkt. \$1.00, ¼oz. \$1.80, ½oz. \$3.30, 1/16oz. \$6.00.

White Queen. Extra large, wavy, pure white flowers. Tr. pkt. \$1.00, ¼oz. \$1.80, ½oz. \$3.30, 1/16oz. \$6.00.

GRANDIFLORA NANA COMPACTA

314,000 S; 65° to 70° F.; 1 to 2 weeks; Jan. 15 to Mar. 15

King Henry or Velvet Ball. Velvety red. Very compact. Produces 2½-in. blooms on 8-in. plants.

Either of above, tr. pkt. 75c, 1/32oz. \$1.35, 1/16oz. \$2.50

RUFFLED NANA COMPACTA

65° to 70° F.; 1 to 2 weeks; Jan. 15 to Mar. 1

Little Giants Mixed. Plants are covered with a mass of blooms 4 in. and more in diameter. The mixture has an excellent color range. It has the pancake style of growth of Martha Washington. For potting and bedding it just can't be beaten. ¼oz. \$1.50, 1/32oz. \$2.75, 1/16oz. \$5.00.

DWARF SINGLE HYBRIDA

285,000 S; 65° to 70° F.; 1 to 2 weeks; Feb. 1 to Apr. 1

Colorama. Your dissatisfaction with the best blends of regular Nana Compacta type Petunias, with their uneven plant habit, has been completely eliminated with this variety. Colorama is not grown as a mixture. The F₁'s used in making this mixture are planted and harvested as separate colors and then superbly blended. Pure whites, salmons, scarlets, fiery reds, light to dark pinks, white, bicolor, crimson, blue and purple and many starred varieties make up this well-balanced blend. Tr. pkt. \$1.00, 1/16oz. \$1.75, 1/8oz. \$3.00, ¼oz. \$5.35.

Admiral Improved. Best blue Petunia available. Very compact in growth. ¼oz. \$1.65, 1/32oz. \$2.90, 1/16oz. \$5.25.

Celestial Rose Improved. This is the most uniform and compact strain available. Deeper rose coloring and slightly larger flowers than the original. Tr. pkt. 50c, 1/8oz. \$1.10, ¼oz. \$2.00, oz. \$6.50. (Caution: This strain, due to its close inbreeding, is of weaker germination than the one listed below.)

Celestial Rose. Excellent strain, free flowering and uniform. The finest all-purpose bright pink. Tr. pkt. 35c, 1/8oz. 90c, ¼oz. \$1.30, oz. \$4.50.

Dwarf Rose of Heaven. This is an *extra-select stock*, very compact and true to type. Brilliant rose-pink. Tr. pkt. 50c, 1/8oz. \$1.00, ¼oz. \$1.75, oz. \$6.00.

Fire Chief. All-America Gold Medal Winner for 1950. Brilliant scarlet-red. Tr. pkt. 50c, 1/16oz. \$1.65, 1/8oz. \$2.90, ¼oz. \$5.00.

Glow. Rich dazzling carmine-rose. One of the most popular. Plants dwarf. Tr. pkt. 50c, 1/16oz. \$1.25, 1/8oz. \$2.00, ¼oz. \$3.75.

Lipstick. Unfading carmine-rose. Plants are a mass of flowers until frost. An outstanding variety in our trial grounds. Tr. pkt. 50c, 1/16oz. \$1.65, 1/8oz. \$2.90.

Rosy Morn Select. Pink with white throat. Tr. pkt. 50c, ¼oz. \$1.50, 1/32oz. \$2.50.

Sky Chief. Light powdery blue. Dwarf, compact habit. Plants well covered with good-sized, pale blue flowers. 1 ft. high. Tr. pkt. 50c, 1/8oz. \$1.65, ¼oz. \$3.00.

Snowball Improved. Finest dwarf white. A more compact strain with well-rounded, pure white flowers in profusion. Tr. pkt. 50c, ¼oz. \$1.80, oz. \$5.40.

Stars and Stripes. Formula mixture of bright starred varieties of all popular shades. Extremely useful for flat sales because of its bright colors. Tr. pkt. 75c, 1/32oz. \$1.50, 1/16oz. \$2.35, 1/8oz. \$4.00.

Twinkles. Rose with pure white star. Tr. pkt. 50c, 1/8oz. \$1.00, ¼oz. \$1.75.

Special Dwarf Mixture. Our own mixture, with a well-balanced range of colors. It can claim the widest color range of any Petunia mixture. Mixed from the leading varieties of this class. Tr. pkt. 35c, 1/8oz. \$1.00, ¼oz. \$1.75, oz. \$6.00.

Balcony Mixed. Mixture of the best colors. Tr. pkt. 40c, 1/8oz. 80c, ¼oz. \$1.50.

PHLOX

17,500 S; 65° to 70° F.; 2 to 3 weeks; Jan. to Mar. 1

Twinkles. All-America Winner for 1957. 6-in. plants completely covered with a twinkling mass of dainty, star-shaped flowers. A delightful bedding and combination subject, with an attractive color array. Should be on every grower's list.

Ideal Bedding Mixed. A new dwarf florists' strain, uniform in habit, with a most striking array of unusually gay, bright colors.

Globe Phlox Mixed. Forms well-rounded plants only 4 to 6 in. high, fully base branching and of the most dwarf and uniform habit. Plants bloom all summer and do not die out like the common annual Phlox.

Any of above, tr. pkt. (1/16oz.) 75c, 1/8oz. \$1.25, ¼oz. \$2.10, oz. \$6.00

H. G. GERMAN, 103 Bank Street, Smethport, Penna.

**PETUNIAS and
SNAPDRAGONS**

*enhance the
beauty of
Evergreens
and other
Landscape
Plantings*

LYRIC

PRIMA DONNA IMPROVED



NEW and OUTSTANDING PETUNIAS for 1961



CALYPSO

New PETUNIAS for 1961

LYRIC — New giant fringed all double light salmon Maytime color.

PRIMA DONNA IMPROVED—A real improvement of the popular All America Award winner. Warm rose pink, early dwarf, free flowering.

CALYPSO—Striking red and white bicolor grandiflora. Brilliant!

CHEROKEE — New warm mid-rose multiflora, early dwarf. Multitudes of bloom.

POLARIS — Violet blue white starred multiflora.

*Be the first to have these
exciting new introductions*

Scientifically bred and grown by
PAN-AMERICAN SEEDS, Inc.

Left: POLARIS; Right: CHEROKEE





LAVENDER LACE



MAYTIME

ALL-AMERICA SELECTION



BLUE MAGIC



CRUSADER

LA PALOMA



COLORFUL PETUNIAS ACCENT THE MODERN LANDSCAPE SCENE

Evergreens and other nursery subjects are shown off to the fullest advantage when highlighted by a special display of color. Petunias bred by Pan American Seeds, Inc. offer the maximum in blooming qualities. Choose from large informal flower types, small uniform flower types, solid colors, striped, starred, doubles . . . all in a complete range of new and popular colors.

Planting tips—Petunias are easy to grow . . . they tolerate many soil types, grow well in sun or light shade, and seldom need spraying or special attention. When planting petunias, space about 10-12 inches. For maximum color display make mass plantings. However, small groupings informally spaced can be very effective in accentuating your favorite nursery subjects.

THE TOP TEN GRANDIFLORA PETUNIAS

BALLERINA—Deep glowing salmon pink.
BLUE LACE—Soft cool orchid blue—veined purple.
BLUE MAGIC—Deep violet-blue. Early, free flowering.
CRUSADER—Striking rose and white. Early.
FIRE DANCE—Deep scarlet with yellow throat.

LA PALOMA—Pure white, soft cream throat.
LAVENDER LACE—Rosy orchid pink, fringed petals.
MAESTRO—Deep intense rose with yellow cream throat.
MAYTIME—Lovely light salmon pink.
TANGO—Large flowered scarlet. Very outstanding.



FIRE DANCE

ALL-AMERICA SELECTION



MAESTRO



GLORIOUS MIXTURE



BALLERINA

ALL-AMERICA SELECTION



TANGO

THE GLORIOUS DOUBLE PETUNIAS

Always a popular favorite, these Pan American double petunias still rival the newer single hybrids.

Popular colors:

ALLEGRO—Deep coral salmon.
CAPRICE—Warm bright rose.
MINUET—Lovely orchid lavender.

All varieties are uniformly dwarf, vigorous and compact, with huge full double flowers.

NOCTURNE—Deep midnight purple.
PRESTO—Pretty rose and white.

RHAPSODY—Wine purple.
SONATA—Giant pure white.

BLUE LACE





SUGAR PLUM



VENUS



NEPTUNE

PLANT MULTIFLORA PETUNIAS

FOR MASSES OF COLOR

COMANCHE—A.A.S. Unequaled for vivid splashes of flaming red. New deeper color and weather tolerance. Compact, sturdy plants.

MERCURY—New light Heavenly Blue hybrid. The first dwarf light blue. Progress in breeding this color obvious in this year's crop.

NEPTUNE—This light violet blue fills the gap between Mercury and Blue Magic. Lovely with yellow Rocket Snapdragon.

SATELLITE—Millions of scintillating white stars on bright rose pink. Early, compact. A terrific bloomer.

SUGAR PLUM—New and different. Already very popular. Bright orchid on plum purple center. Excellent habit and weather resistance.

VENUS—New lovely Celestial Rose pink on extra dwarf, vigorous, compact, free blooming plants. A real hit!

Other Pan American Multiflora petunias not shown:

PALEFACE—A.A.S. White—solid masses.

LINDA—The prettiest light salmon pink.

SIOUX—Rich coral pink.

AZTEC—Brilliant scarlet with yellow throat. Brightest red in regions where best adapted.

INCA—Brightest, deep rose-red.

COMET—Deep crimson red, perfect white star. Compact, early.

MARS—Deep velvety crimson.

ROCKET SNAPDRAGONS

A.A.S. New for 1960. A smash hit. For the first time hybrid garden snapdragons—in fact the first to be bred especially for the American climate.

Seven colors, separate or mixture of all. Rose, White, Yellow, Pink, Orchid, Bronze and Red.



SATELLITE



COMANCHE

ALL-AMERICA SELECTION



MERCURY



PHLOX, continued

Drummondii Nana Compacta. Plants grow about 8 in. high and bloom freely. Fine for boxes and bedding.

Blue Beauty

Fireball. Scarlet.

Pink Beauty

Violet Beauty

Special Florists' Mixture. Mixed from eight separate colors.

Any of above, tr. pkt. 50c, 1/4oz. \$1.50, 1/2oz. \$2.35, oz. \$4.50

PHYSALIS (Chinese Lantern Plant)

18,000 S; 65° to 75° F.; 3 to 4 weeks

Francheti. 2 ft. Giant orange-scarlet pods. A perennial, but if sown early it may be grown as an annual. Tr. pkt. 30c, 1/4oz. 80c, oz. \$2.50.

Nana Pygmy. New market plant, suitable for forcing in pots. Only 8 to 12 in. high. Tr. pkt. (1/32oz.) \$1.00, 1/16oz. \$1.85, 1/8oz. \$3.30, 1/4oz. \$6.00.



POLYGONUM capitatum, Summer Carpet

DWARF POLYGONUM capitatum

65° to 75° F.; 1 to 2 weeks

Summer Carpet. Creeping, spreading plants only 3 in. high. Stems are reddish brown and leaves dark green with brown center. Foliage gives a dark impression, on which background the numerous small, globular, light pink flowers are particularly attractive. Strong, vigorous habit. Does extremely well in full sun, but also thrives in partial shade. Without doubt this is the best annual for a ground cover. Tr. pkt. (1/32oz.) 85c, 1/16oz. \$1.45, 1/8oz. \$2.50, 1/4oz. \$4.65, oz. \$14.00.

PORTULACA

307,000 S; 65° to 70° F.; 2 to 3 weeks; Feb. through Mar.

German's All Double Mixed. 100% double; large flowered. A fine color range of many new shades. So uniformly double that it produces only half as much seed as most double strains. Tr. pkt. (1/16oz.) 50c, 1/4oz. \$2.00, oz. \$6.50.

Dwarf Double Mixed. Excellent range of colors and a high percentage of doubles. Tr. pkt. (1/16oz.) 35c, 1/4oz. \$1.15, oz. \$3.50.

SINGLE JEWEL. Brilliant deep crimson, extremely large blooms. Tr. pkt. (1/16oz.) 50c, 1/4oz. \$1.50, oz. \$5.00.

PRIMULA

360,000 S; 65° to 70° F.; 2 to 3 weeks; early May until Oct.

MALACOIDES

Sow seed from early May until October for spring-blooming plants of various sizes. Primula seeds will not tolerate fertilized soil in seed flats or during early stages of growth.

Large-flowered

Extra Choice Mixture. A choice mixture of many excellent colors. Tr. pkt. \$1.00, 1/4oz. \$2.50, 1/2oz. \$4.50.

PRIMULA, continued

CHINENSIS FIMBRIATA

18,000 S; 65° to 70° F.; 3 to 4 weeks; Jan. to June

A large-flowered, dwarf, and non-poisonous Primrose. Very popular wherever grown. Sow March through May for plants from Christmas on.

Olympia Hybrids. (New.) Rich mixture of best colors. Enormous umbels of giant, substantial flowers. Tr. pkt. \$1.00, 1/4oz. \$2.00.

OBCONICA

120,000 S; 65° to 75° F.; 3 to 4 weeks; Jan. through Mar.

Bagatelle. (New.) Beautiful salmon-rose.

Blue de Paris. Beautiful blue.

Perle de Paris. (New.) Carmine-rose.

Fasbender's Red. Extra-large, deep crimson-red flowers.

Rouge de Paris. Large carmine-red.

Trionon. (New.) Glistening pure white.

Finest Mixed. Complete mixture of the best colors.

Any of above, tr. pkt. \$1.25, 1/4oz. \$2.35

RICINUS (Castor Beans)

Cambodgensis. (60 S per oz.) Darkest maroon leaves. Stalks nearly black. 4 ft. Oz. 40c, 1/4lb. \$1.35.

Zanzibarensis Mixed. (30 S per oz.) Giant leaves; green foliage. Oz. 30c, 1/4lb. \$1.00.

Mixed Colors and Varieties. (60 S per oz.) Oz. 30c, 1/4lb. \$1.00.

RUDBECKIA (Coneflower)

85,000 S; 65° to 75° F.; 2 to 3 weeks; Mar. 15

The following strains are hardy perennials but can be used as annuals. They withstand hot summers and also sub-zero weather (they have wintered over in our -20° winters). Excellent for mass displays in semi-tall borders and equally fine for cutting. They have tremendous bloom size and draw the attention of all who see them.

Gloriosa Double Daisy. All-America Winner for 1961. Rich golden yellow, double and semi-double flowers up to 4 1/2 in. across are borne profusely on strong cutting stems up to 18 in. long. Plants reach a spread of 24 in. and a height of 36 in. Tr. pkt. \$1.00, 1/8oz. \$2.25, 1/4oz. \$4.00, oz. \$12.00.

Gloriosa Daisy Mixed. 3 ft. tall. Sensational giant single flowers up to 7 in. across. Bright yellow, mahogany and bicolors of orange, gold and mahogany. 1/8oz. 75c, 1/4oz. \$1.35, oz. \$4.00.

Dwarf Golden Flame. 12 to 18 in. Large, single golden flowers with mahogany centers. Extremely free flowering. Valuable for bedding and cutting. Tr. pkt. 65c, 1/4oz. \$2.00, oz. \$6.00.

SALVIA (Scarlet Sage)

7500 S; 70° to 75° F. (should have bottom heat); 2 to 3 weeks; Feb. 10 to Apr. 1

America (Globe of Fire). Brilliant scarlet. 20 to 22 in. Tr. pkt. 50c, 1/4oz. \$1.15, oz. \$4.50, 1/4lb. \$13.50.

Blaze of Fire. Early-blooming orange-scarlet. Our best seller. Blooms till frost. Medium height, 14 to 16 in. Tr. pkt. 85c, 1/4oz. \$2.25, 1/2oz. \$3.85, oz. \$7.00, 1/4lb. \$24.00.

Bonfire (Clara Bedman). Bright scarlet-red. Erect habit; free bloom. 24 to 28 in. Tr. pkt. 50c, 1/4oz. \$1.15, oz. \$4.50, 1/4lb. \$13.00, lb. \$42.50.

Dwarf Early Bonfire. Three weeks earlier than Bonfire. Retains its deep color all season. Large flower bracts. 18 to 24 in. Tr. pkt. (1/8oz.) 50c, 1/4oz. 90c, oz. \$3.00, 1/4lb. \$10.00, lb. \$30.00.

Fireworks, Early Timed. So early it starts to bloom when only 4 to 5 in. high in the flats. This brilliant scarlet sells on sight. Dwarf, compact plants about 12 to 14 in. high when fully developed. Produces masses of fiery red all summer until frost. Tr. pkt. 85c, 1/8oz. \$1.85, 1/4oz. \$3.00, oz. \$10.00, 1/4lb. \$32.50.

Pink Rouge, Early Timed. Brilliant deep rose-pink. Same habit and blooming period as Fireworks or St. John's Fire. Uniform in color and habit. Tr. pkt. (1/16oz.) 90c, 1/8oz. \$1.65, 1/4oz. \$3.00, oz. \$9.00, 1/4lb. \$31.00.

Purple Blaze. Violet-purple. 12 to 14 in. Similar in habit and flowering time to Blaze of Fire. Tr. pkt. \$1.00, 1/8oz. \$3.00, 1/4oz. \$5.00, oz. \$15.00.



SALVIA FARINACEA,
Royal Blue



SALVIA, Blaze of Fire

SALVIA, continued

Red Pillar (Hot Jazz). One of the finest early-blooming Salvias ever developed. Plants produce large numbers of densely set spikes of brightest scarlet. Tr. pkt. ($\frac{1}{16}$ oz.) 50c, $\frac{1}{4}$ oz. \$1.75, oz. \$5.00, $\frac{1}{4}$ lb. \$15.00, lb. \$45.00.

Salmon Queen. Rich coral-pink. 18 to 24 in. Tr. pkt. 60c, $\frac{1}{4}$ oz. \$1.85, oz. \$5.00, $\frac{1}{4}$ lb. \$15.00.

Scarlet Pygmy, Extra Dwarf (Fireball or Scarlet Piccolo). A very compact and well-branched variety blooming slightly earlier than St. John's Fire, but about 4 in. shorter. Recommended for early pot and flat sales. Tr. pkt. \$1.25, $\frac{1}{8}$ oz. \$1.75, $\frac{1}{4}$ oz. \$3.15, oz. \$9.50, $\frac{1}{4}$ lb. \$30.00.

Splendens. Latest and tallest. 36 in. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.25, $\frac{1}{2}$ oz. \$2.25, oz. \$4.00, $\frac{1}{4}$ lb. \$13.00, lb. \$42.50.

St. John's Fire, German's Special Strain. Very early, bright scarlet. Our strain has larger, denser spikes and blooms a bit earlier than other strains. Many people have remarked about our improved strain. Tr. pkt. ($\frac{1}{16}$ oz.) 85c, $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.25, oz. \$7.25, $\frac{1}{4}$ lb. \$24.00, lb. \$80.00.

Violacea. Violet-purple. Combines well with yellow or gold marigolds, etc. Tr. pkt. 60c, $\frac{1}{4}$ oz. \$1.85, oz. \$5.00, $\frac{1}{4}$ lb. \$15.00.

White Fire. Creamy white. Same habit as St. John's Fire. Tr. pkt. \$1.00, $\frac{1}{8}$ oz. \$3.00, $\frac{1}{4}$ oz. \$5.00, oz. \$15.00.

White Gem. Clear creamy white. Same height as Bonfire. When planted together, they complement each other. 24 to 28 in. Tr. pkt. 60c, $\frac{1}{4}$ oz. \$1.85, oz. \$5.00, $\frac{1}{4}$ lb. \$15.00.

FARINACEA

22,000 S; 70° to 75° F.; 2 to 3 weeks; Feb. and Mar.

Royal Blue. Deep blue flowers. The best blue Salvia. Tr. pkt. 55c, $\frac{1}{4}$ oz. \$1.65, oz. \$5.00.

SCABIOSA

4090 S; 65° to 70° F.; 2 to 3 weeks

Giant Hybrid Mixture. Special strain containing the new large-flowered varieties only. Tr. pkt. 25c, $\frac{1}{4}$ oz. 65c, oz. \$2.00.

SCHIZANTHUS

43,000 S; 65° to 70° F.; 1 to 2 weeks

Grandiflora Angel Wings. Improvement over Dr. Badger's. More compact, conical plants of uniform dwarf character. Blooms have a distinct gold center contrasting with brighter and deeper colors than the old strain. Tr. pkt. \$1.00, $\frac{1}{8}$ oz. \$2.40, $\frac{1}{4}$ oz. \$4.50.

Ball Dwarf Mixture. Dwarf strain. Medium-sized flowers on compact heads. Excellent pot plant. Tr. pkt. 60c, $\frac{1}{8}$ oz. \$1.80.

Blackmore & Langdon Strain. Dark and light shades, blotched. 18 in. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$2.25.

Excelsior compactus, Finest Mixed. Compact, pyramidal, free flowering. 6 in. Excellent for pot use. Popular. Tr. pkt. 60c, $\frac{1}{4}$ oz. \$2.25.

SHAMROCK

28,000 S; 65° to 75° F.; 1 to 2 weeks; Jan. 1

True Irish Shamrock. For 2 $\frac{1}{4}$ -in. St. Patrick's Day plants, use 3 or 4 seedlings per pot and grow cool (50°). Tr. pkt. 20c, $\frac{1}{4}$ oz. 35c, oz. \$1.20.

SNAPDRAGON. See Antirrhinum, pages 4, 5 and 6.

SOLANUM

CHRISTMAS CHERRY 12,000 S; 65° to 75° F.; 3 to 4 weeks

Sow in February. After germination, grow at 50° and shift when needed. Usually carried through the summer in pots plunged in coldframes. Pinch, but not later than July 1. Bring inside before frost and shift up to 5 or 6-in. pots. Fruits in December.

Capsicastrum Patersonii. Dwarf, spreading, compact habit. Red, cherry-shaped fruits and dark green foliage. 8 to 10 in.

Clevelandi. Cleveland-cherry-red.

Either of above, tr. pkt. 35c, $\frac{1}{4}$ oz. \$1.00, oz. \$3.00

CHRISTMAS PEPPER 9000 S; 65° to 75° F.; 3 to 4 weeks

Sow April to July, finishing one plant to a 3 or 4-in. pot or three in a 5-in. pot. Does best if grown in the greenhouse all summer.

Ball Christmas Pepper. Compact habit. Plants profusely bear cone-shaped fruit that is first green, later turning purple and then red. Tr. pkt. \$1.00, $\frac{1}{4}$ oz. \$3.00, oz. \$9.00.

Craigii (Candle Pepper). Similar to above but smaller leaved. Small fruit, freely produced well above the foliage, turns from white to brilliant red. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.50, oz. \$4.50.

Glowworm (Baby Pepper). Very compact plants bearing many small, long, upright, scarlet cone-shaped fruits. 10 in. Tr. pkt. \$1.00, $\frac{1}{4}$ oz. \$3.00, oz. \$9.00.

Red Boy. Nice dwarf pot plant for winter sales. Plants bear a multitude of small round, slightly oblong fruits that change color from green to purple to red. Height about 12 in. An April sowing will produce plants with colored berries for August and September sales. Tr. pkt. 60c, $\frac{1}{4}$ oz. \$2.00, oz. \$6.10.

STATICE

245 heads; 65° to 70° F.; 2 to 3 weeks

SINUATA

New and Better Strains

American Beauty. Improved Market Rose.

Blue Bonnet. Improved bright sky-blue.

Gold Coast. Bright yellow.

Iceberg. Non-fading white.

Midnight Blue. Exceptionally vigorous. Dark blue.

Roselight. Very true pure rose. Vigorous.

Twilight Lavender. Well formed, lavender-blue.

Choice Mixed. Blended from all colors.

Any of above new strains, tr. pkt. 50c, oz. \$1.50,
 $\frac{1}{4}$ lb. \$5.00, lb. \$15.00

SUWOROWII (Rat-tail Statice).

12,000 S; 65° to 70° F.; 2 to 3 weeks

Long, graceful, rose-pink flowers. Sown outdoors early, will bloom in July. Tr. pkt. 35c, $\frac{1}{4}$ oz. \$1.00, oz. \$3.00.



SCABIOSA, Giant Hybrid Mixture

STOCKS

18,700 S; 65° to 70° F.; 2 weeks

Our sales of Stock seed have been increasing rapidly in the last several years because of the growing popularity of this flower and the wonderful results our customers are obtaining from our highly bred strains. There are numerous strains on the market, but we have found ours to be equal to and in many cases superior to any other strain offered. Listed below are the varieties we have found to be the most popular. Proper spacing is 3 by 6 in.

NON-BRANCHING OR COLUMN

Approximate sowing dates:

July 15 to Aug. 1—bloom about mid-Jan.

Sept. 1—bloom about mid-Mar.

Oct. 1—bloom about early Apr.

Dec. 15—bloom about May 15.

Feb. 15 (latest date)—bloom about early June.

GREENHOUSE FORCING

NEW TRYSONIC COLUMN

This is the first color to be offered in this high double-column Stock. Our trials have repeatedly shown a double average of 85%. **The most vigorous seedlings in Trysonic Stocks are the singles.** In other respects it is identical to current normal double strains. To assure the highest percentage of doubles, do not attempt to select seedlings.

TRYSONIC PACIFIC PINK. ½tr. pkt. \$1.00, tr. pkt. \$1.75, ¼oz. \$2.90, ¼oz. \$5.00.

COLUMN OR NON-BRANCHING

Crimson Giant. Distinct new color, an alive and attractive bright crimson-red.

Deep Apricot. An improved deeper apricot.

Lilac-Lavender. Fine color for Memorial Day.

Pacific Pink. Clear, warm, luminous pink with no lavender tints. A true pink. Tr. pkt. \$1.25.

Pacific Yellow. (New.) Earlier than Yellow Wonder, deeper in color. This is the long-needed bright canary-yellow Stock.

Royal Purple. Dark purple.

White Goddess. (New.) The earliest, whitest white you ever saw. Excellent shipper, the answer to the confusing number of White Column Stocks now offered.

White No. 16. Tall; pure white.

Formula Mixture. Our own mixture.

Any of above, except where noted, tr. pkt. (approx. 1200 seeds) \$1.15, ¼oz. \$2.75, ½oz. \$5.25, oz. \$10.00

BEDDING STOCKS

Trysonic Seven-Weeks Mixed. Branching garden variety. Choice colors; earliest blooming Stock offered. 80 to 85% double count. ½tr. pkt. \$1.00, tr. pkt. \$1.75, ¼oz. \$2.90, ¼oz. \$5.00.

Beauty of Nice. Early, free-flowering type of branching habit. Recommended for plant sales in the spring to the home gardener.

Mixed Colors. Tr. pkt. 30c, ¼oz. 75c, oz. \$2.50.

Dwarf Ten-Weeks

Blood-Red

Formula Mixture

Either of above, tr. pkt. 30c, ¼oz. \$1.00, oz. \$3.00

SWEET PEAS

340 S; 65° to 70° F.; 2 weeks

New Floribunda or Spring-Flowering. A new race of spring-flowering Sweet Peas. This new strain is becoming more popular every year.

Astrid. Light lavender.

Daisy. White. B. S.

Evelyn. Deep salmon-pink.

Flora. Rose-carmine.

Joy. Deep salmon-pink.

Robert. Mid-blue.

Rose Dawn. Rose with cream base.

Ruth. Deep rose-pink.

Warrior. Scarlet-cerise.

Mixed Colors. Mixture of all shades.

Any of above, ½oz. 70c, oz. \$1.25, ¼lb. \$4.50

SWEET PEAS, continued

EARLY MULTIFLORA GIGANTEA

This new Sweet Pea is a knock-out with longer stems carrying even more blooms than the other Multiflora groups.

Christmas Red Supreme. Bright carmine.

Diana. Light rose-pink.

Eleanor. Mid-blue.

Gloria. Deep rose-pink.

Grace. Clear lavender.

Lily. White. W. S.

Margaret. Rose-pink.

Marilyn. Scarlet-cerise.

Minnie. Navy-blue.

Miranda. Deep crimson.

Ramona. Orange.

Colorama Mixed. Blended from twenty colors.

Any of above, ½oz. 85c, oz. \$1.50, ¼lb. \$5.00

SWEET WILLIAM, Annual

31,000 S; 65° to 70° F.; Mar. 20 on

Wee Willie. A new annual, this single-flowering type blooms in 6 to 8 weeks, starts to bloom at a height of 2 in., eventually reaching 6 in. Compact plants, 4 in. in diameter. Ideal for bedding plant or flat sales. Drop three seeds per hole in seed flat or per 2¼-in. pot to make best-appearing plants. Tr. pkt. 60c, ¼oz. \$1.00, ¼oz. \$1.80, oz. \$5.40.

THUNBERGIA (Black-eyed Susan)

1260 S; 65° to 70° F.; 2 to 3 weeks

Alata. Attractive climber for urns and window-boxes. Tr. pkt. 35c, ¼oz. 60c, oz. \$1.80.



TORENIA Fournieri

TORENIA Fournieri

375,000 S; 65° to 75° F.; 2 weeks; Feb. 1 on

Compacta Blue. Deep blue flowers with violet blotches on lip. Nice for spring pot plants for combination work or bedding.

Compacta, White. Nice white.

Either of above, tr. pkt. 40c, ¼oz. \$1.25, ¼oz. \$2.25

VERBENA

12,250 S; 65° to 75° F.; 3 to 4 weeks; Jan. to Mar. 15

Calypso (Candy Striped).® Newest novelty. Until today these gaily striped varieties have been available from cuttings only, but we are now introducing our own origination of mixed colors with contrasting stripes and blotches. 80% or more have this striped effect. Healthy, bushy plants growing 1 ft. high. Color combinations include pink and rose, rose and white, red and white, lavender and crimson, purple and white, and some solid colors. Unusually bright colors predominate. This mixture caused much comment in our trial garden. Tr. pkt. 60c, ¼oz. \$1.50, oz. \$4.50.

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VERBENA, continued

Following is a good selection of color for all of our florist customers. Sow early with bottom heat.

Beauty of Oxford Hybrids. Rose-red to clear rose-pink.

Lavender Glory. Fragrant, true lavender.

Royale. Rich deep blue with white eye.

Salmon King. (New.) Deep salmon.

Starlight. Royal blue with cream eye.

Vivid. (New.) Bright sunproof scarlet.

White. Pure white.

Mixed. Contains all the above colors.

Any of above, tr. pkt. 45c, 1/4oz. \$1.25, oz. \$3.75

HYBRIDA COMPACTA

German's Exhibition Mixture. This strain is very dwarf and about two weeks earlier than other strains. Plants are upright and are excellent for combination work or borders. To maintain the extra dwarfness and complete color range of this strain, we must produce this item ourselves. Tr. pkt. 60c, 1/4oz. \$1.50, oz. \$4.50.

Crystal. Pure white. Same habit as Sparkle.

Dazzle. Solid scarlet-red.

Delight. Lovely coral-pink.

Sparkle. The most compact and brightest red Verbena. Has a bright creamy eye. A mass of bloom all summer.

Splendor. Deep reddish purple with white eye.

Sparkle Mixed. Mixture of above separate colors.

Any of above, tr. pkt. (1/16oz.) 60c, 1/4oz. \$1.75, oz. \$5.00, 1/4lb. \$15.00

Ideal Florists' Strain. A special development for pot and flat culture. Beautiful color combinations of the eyed kinds. Very dwarf, spreading habit. Tr. pkt. 75c, 1/4oz. \$2.00, 1/2oz. \$3.15, oz. \$6.00.

VINCA rosea

21,000 S; 65° to 70° F.; 2 to 3 weeks; Nov. through Dec.

Sow seed early (October or November). Splendid for bedding and combinations. Blooms all summer until frost; does well any place.

Coquette (Little Pinkie). (New.) A dwarf type Vinca, growing only 10 in. tall. Its tolerance to heat and drought makes Vinca an ideal bedding and combination plant. Glossy, deep green leaves on plants covered with attractive, rosy pink blooms. Tr. pkt. 45c, 1/4oz. \$1.35, oz. \$4.50.

Bright Eye. The same dwarf, compact habit as Coquette, but pure white with rose eye. Tr. pkt. \$1.00, 1/4oz. \$3.00, oz. \$9.00.

Alba. White.

Crimson. Dark rose-pink.

Twinkles. Soft pink.

White with Pink Eye

Mixed Colors

Any of above, tr. pkt. 35c, 1/4oz. 60c, oz. \$2.00

ZINNIAS

3120 S; 70° to 80° F.; 1 to 2 weeks (6 weeks from sowing to selling date)

State Fair. (NEW.) This variety has shown remarkable resistance to the troublesome Zinnia disease, Alternaria. Outstanding in our trials. Full double flowers in a complete range of colors. Dark heavy green foliage on strong-growing plants. Extremely large flowers often measure 6 in. in diameter and have large lustrous petals. The separate colors are listed as shades, since there will be color variation within the varieties.

Scarlet Shades. Light to deep scarlet shades.

Bright Scarlet Shades. Gold tones to brightest scarlet.

Golden Yellow Shades. Shades of gold.

Lavender and Purple Shades. Deep rosy lavender to purple.

Orange Shades. Deep gold through brightest orange.

Pink Shades. Light through dark pink.

Rose and Salmon Shades. Light salmon-pink through bright rose, with a few orange tones.

Yellow Shades. From deep cream to brightest yellow.

Formula Mixture. Well-blended mixture of these beautiful shades. The extremely large bloom size is enhanced by the bright colors in this mixture.

Any of the above shades or Mixture, tr. pkt. (1/16oz.) 35c, 1/4oz. 95c, oz. \$2.65, 1/4lb. \$8.00, lb. \$24.00

ZINNIAS, continued

Thumbelina. All-America Gold Medal Winner for 1963. 7000 S. Unique variety. Plants only 6 in. high and completely covered with double and semi-double, 1 1/4 to 1 1/2-in. flowers in white, yellow, lavender, pink, orange and scarlet. A most useful and attractive border plant. Starts to bloom in flats and pots when only 2 1/2 in. high. As the season progresses, the plants continue to expand with new growth and many new buds, but they never get over 6 to 8 in. tall. If grown in a cool house (50°), they will bloom 12 weeks from sowing date. In a warm house (60° at night), it takes 10 weeks from sowing date. Tr. pkt. (1/32oz.) 85c, 1/16oz. \$1.50, 1/8oz. \$2.75, 1/4oz. \$5.00, oz. \$15.00, 1/4lb. \$45.00.

Apache Snowflakes. A hardy perennial. A constant profusion of small, 3/4-in., snow-white flowers, continuously borne on 6 to 8-in. plants that later reach a width of 12 to 20 in. Blooms within five months of seeding date. Tr. pkt. (1/32oz.) 75c, 1/16oz. \$1.40, 1/8oz. \$2.50, 1/4oz. \$4.45.

NEW HYBRIDS—GIANT CACTUS-FLOWERED 2800 S.

Blaze. Very large; scarlet-orange. Long stemmed and free flowering. Tr. pkt. 50c, 1/4oz. \$1.00, oz. \$3.00.

Red Man. All-America Award Winner for 1962. Brilliant scarlet. Extra giant, cactus-flowered semi-dwarf, (15 in.), erect bushy plants. Flowers are 5 in. in diameter and plants are very profuse.

Burpeeana Giant. Gigantic flowers with quilled and ruffled petals and the loveliest colors and color combinations. Neat, compact plants are valuable for beds and low foundation plantings. Flowers up to 6 in. in diameter. Plants are prolific; they reach a height of 24 in.

Either of above two, tr. pkt. 50c, 1/8oz. \$1.55, 1/4oz. \$2.65, oz. \$8.00

Floradale Scarlet. Scarlet-red. Petals beautifully ruffled and curled, resembling a giant chrysanthemum.

Plus-X-Cactus. Genuine F₂ hybrid mixture. Hybrid vigor, size and blooming profusion drew many favorable comments in our trials. A wealth of new colors, shades and bicolor effects plus all other Zinnia shades.

Riverside Beauty. Azalea-pink. Petals curled and twisted.

Treasure Island. Here's a real treasure for your best customers—a new mixture of the popular Cactus-Type Zinnias. Brilliant reds, rich yellows, bright orange, rose, salmon and pink shades, with flowers 6 to 7 in. in diameter. The entire range is spectacular and pleasing.

Any of above four, 1/8oz. 45c, 1/4oz. 65c, oz. \$1.75, 1/4lb. \$5.15, lb. \$15.25

Firecracker. All-America Award Winner for 1963. An F₁ hybrid. Bright scarlet-red, large, double, cactus-type flowers are freely borne on erect, bushy plants. Tr. pkt. (1/32oz.) \$1.30, 1/16oz. \$2.50, 1/8oz. \$4.65, 1/4oz. \$7.95, oz. \$24.00.

Cherry Time. Five-in. flowers in hues of cherry, rose-red and spirea.

Lilac Time. Large, 5-in. flowers in shades of rosy lilac.

Snow Time. Nice large white blooms, 5 in. across.

Any of above three, tr. pkt. 50c, 1/4oz. \$1.25, oz. \$3.75, 1/4lb. \$12.50

ELEGANS PUMILA, DWARF DOUBLE (Cut-and-Come-Again) 2800 S.

Canary-Yellow. Bright yellow.

Salmon-Rose Scarlet

Golden Orange

Snowball. White.

Pinkie. Rose-pink.

Mixture

Any of above, tr. pkt. 30c, 1/4oz. 50c, oz. \$1.50, 1/4lb. \$5.00

Peppermint Stick. Novelty striped flowers. Early. Tr. pkt. 35c, 1/4oz. 70c, oz. \$2.25, 1/4lb. \$7.00.

LILLIPUT or POMPON. 4500 S. 1 1/2 to 2 ft.

Canary Gem. Canary-yellow.

Salmon Gem. Salmon-rose.

Golden Gem. Golden orange.

Scarlet Gem. Rich scarlet.

Pink Gem. Deep pink.

White Gem. Pure white.

Rosebud. Rose-pink.

Formula Mixed

Any of above, 1/4oz. 45c, oz. \$1.35, 1/4lb. \$4.00, lb. \$12.00

ZINNIAS, continued

GIANT DAHLIA-FLOWERED AND CALIFORNIA GIANTS.

2960 S. $2\frac{1}{2}$ to 3 ft. The best large-flowered Zinnias.

Canary Bird. Rich canary-yellow.

Cherry-Rose. Brilliant cherry-rose.

Crimson Monarch. Deep crimson; very large.

Dream. Deep rosy lavender.

Exquisite. Light rose with deep rose center.

Golden State. A rich orange-yellow.

Illumination. Deep rose self.

Luminosa. Bright deep pink.

Miss Willmott. Rich pink.

Orange King. Orange-scarlet.

Pink Lady. Pink center with cream outer petals. Tr. pkt. 55c, $\frac{1}{4}$ oz. \$1.00, oz. \$3.00.

Purity. Best giant white.

Purple Prince. Deep purple.

Salmon Queen. Beautiful salmon-rose.

Will Rogers. Lovely brilliant deep scarlet.

Gold Medal Finest Mixed

Any of above, except as noted, $\frac{1}{4}$ oz. 45c, oz. \$1.35, $\frac{1}{4}$ lb. \$4.00, lb. \$12.00

Ortho Polka. Colors similar to Peppermint Stick but Ortho Polka has plenty of size and vigor. Plants grow about 3 ft. tall, flowers over 4 in. across. Tr. pkt. 35c, $\frac{1}{4}$ oz. 75c, oz. \$2.25, $\frac{1}{4}$ lb. \$7.00.

HAAGEANA DOUBLE (Mexican Hybrids) 22,000 S.

Old Mexico. All-America Award Winner for 1962. Bushy plants growing 14 to 18 in. high. Striking blooms $2\frac{1}{2}$ in. in diameter, of deep crimson overlaid golden yellow. Some show more gold than others. Very profuse in flowering and novel and attractive for borders and for cutting. Tr. pkt. 75c, $\frac{1}{8}$ oz. \$1.15, $\frac{1}{4}$ oz. \$2.00, oz. \$6.00.

Persian Carpet. Charming, variegated small flowers. Excellent for bedding; attractive. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.50, oz. \$4.50.

OTHER VARIETIES OF ZINNIAS

Cupid Mixture. Dwarf plants producing many small double flowers 1 in. in diameter. All colors in nicely balanced mixture. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.50.

Red Riding Hood (Gracillima). Small, double, bright red flowers on compact plants. 1 ft. high. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.50.

Tom Thumb Mixture. Small, double flowers on compact plants. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.50.

Creeping Zinnia (*Sanvitalia procumbens*). 50,000 S. Fine dwarf edging plant with small, double, yellow flowers with brown eyes. 4 to 7 in. Tr. pkt. 35c, $\frac{1}{4}$ oz. 65c.

F₁ HYBRID POLYFLOR. The first F₁ Hybrid Zinnia ever offered. Plants are compact and continuously covered with a mass of medium-sized, semi-cactus type blooms. Early flowering. Growers will be surprised with the vigorous seedlings produced.

Poly-Pink. Bright clear pink suffused salmon. Flowers 4 to $4\frac{1}{2}$ in. in diameter, abundantly produced. Early blooming. Vigorous and uniform. Tr. pkt. \$1.25, $\frac{1}{8}$ oz. \$2.25, $\frac{1}{4}$ oz. \$4.00, oz. \$14.00.

DISEASE IN ZINNIAS

(Alternaria)

From reports we are receiving and our own personal observations of this disease in so many sections this year, we feel that our growers should be made aware of it before planting season. This disease does not seem to affect the Lilliputs, Cupid, Persian Carpet, Elegans Pumila (Cut-And-Come-Again), Poly-Pink or State Fair; therefore we recommend that growers consider switching to those strains wherever possible.

Hardy perennial seeds show much variation in germination. The life span of seeds depends a great deal on the conditions under which the seed was matured. The time required to germinate varies greatly. Our perennial seeds are grown by specialists, and each year we fill all orders from the latest (freshest) crop available. This assures our customers the BEST seed possible.

Seeds of Biennials and Hardy Perennials



AQUILEGIA, McKana's Giant Hybrid

ACHILLEA Ptarmica

200,000 S; 65° to 70° F.; 1 to 2 weeks

The Pearl. Standard double white for cutting. Tr. pkt. ($\frac{1}{32}$ oz.) 30c, $\frac{1}{8}$ oz. 70c, $\frac{1}{4}$ oz. \$1.25.

ALYSSUM

40,000 S; 65° to 70° F.; 3 to 4 weeks

Saxatile compactum. Silvery foliage; yellow flowers. Tr. pkt. 25c, $\frac{1}{4}$ oz. 40c, oz. \$1.20, $\frac{1}{4}$ lb. \$3.60.

ANCHUSA

1100 S; 65° to 70° F.; 3 to 4 weeks

Italica, Dropmore. Gentian-blue. Tr. pkt. 40c, $\frac{1}{4}$ oz. 75c, oz. \$2.25.

ANEMONE (Windflower)

37,000 S; 65° to 70° F.; 5 to 6 weeks

St. Brigid, Creagh Castle Strain. Choice mixture of brilliant colors. 18 in. Tr. pkt. ($\frac{1}{16}$ oz.) 40c, $\frac{1}{4}$ oz. \$1.10, oz. \$3.25.

AQUILEGIA (Columbine)

15,500 S; 65° to 70° F.; 3 to 4 weeks

McKana's Giant Hybrid. All-America Award, 1955. The first perennial to receive an award in recent years. Many beautiful new colors. Extremely long spurred. Tr. pkt. 50c, $\frac{1}{16}$ oz. \$1.00, $\frac{1}{8}$ oz. \$1.60, $\frac{1}{4}$ oz. \$3.00, oz. \$9.00.

Crimson Star. Bicolor, dark red and white. Tr. pkt. 60c, $\frac{1}{8}$ oz. \$1.75, $\frac{1}{4}$ oz. \$3.00.

Longissima. Extra long spurred. Pale yellow. Tr. pkt. 60c, $\frac{1}{16}$ oz. \$1.80, $\frac{1}{8}$ oz. \$3.30.

Mrs. Scott Elliott's Hybrids. Long-spurred; fine color range and large blooms. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.50, oz. \$4.50.

ARABIS (Rock Cress)

120,000 S; 65° to 75° F.; 3 to 4 weeks

Alpina Pink. Delicate pale pink. 12 in. Tr. pkt. 45c, 1/4oz. \$1.30, oz. \$3.90.

Alpina Snowcap. 6 in. Dwarf, compact plants completely covered with shining snow-white flowers. Blooms very early in spring. Tr. pkt. 40c, 1/4oz. 80c, oz. \$2.75.

ARMERIA

17,500 S; 65° to 70° F.; 3 to 4 weeks

Formosa Hybrids Mixed. Tr. pkt. 40c, 1/8oz. 75c, 1/4oz. \$1.40.

BELLIS

100,000 S; 65° to 70° F.; 1 to 2 weeks

MONSTROSA

Lavender. (New.) **Red.** Deep rose. **Rose.** Rose-pink.
White. Pure white. **Mixed Colors**

Any of above, tr. pkt. 50c, 1/4oz. \$1.50, oz. \$4.00

DOUBLE

Crispa Cherry. (Novelty.) Red, cherry-like flowers.

Longfellow Pink. Dark pink. Smaller but freer flowering than Monstrosa types.

Tubulosa Etna Red. Dark red, quilled blooms.

Any of above, tr. pkt. 35c, 1/8oz. 75c, 1/4oz. \$1.35, 1/2oz. \$2.40

SUPER GIANT or ENORMA

From special selections. Flowers measure up to 2 in. in diameter.

Pure White **Rose.** Deep pink.

Crimson Ball. Deep crimson. **Mixed**

Salmon. (New.) Nice light salmon-pink.

Any of above, tr. pkt. 60c, 1/8oz. \$1.80, 1/4oz. \$3.30



BELLIS, Super Giant

CAMPANULA

Medium, Single (Canterbury Bells).

135,000 S; 65° to 70° F.; 2 weeks

White **Blue** **Rose** **Finest Mixed**
Any of above, tr. pkt. 25c, 1/4oz. 35c, oz. \$1.00

Medium Calycanthema (Cup-and-Saucer Type).

120,000 S; 65° to 70° F.; 2 to 3 weeks

Dark Blue **Rose-Pink** **White** **Mixed**
Any of above, tr. pkt. 30c, 1/4oz. 75c, oz. \$2.20

CANDYTUFT (Iberis)

11,500 S; 65° to 70° F.; 2 to 3 weeks

Gibraltarica. Large flowers, lilac shades to white. 1 ft. Tr. pkt. 30c, 1/4oz. 50c, oz. \$1.50.

Jucunda. Beautiful pink. Extra-dwarf, 4-in. plants. Tr. pkt. 75c.

Sempervirens. White. 1 ft. Tr. pkt. 55c, 1/4oz. \$1.35, oz. \$4.75.



CARNATIONS, Dwarf Vienna

CARNATION

14,000 S; 65° to 70° F.; 2 to 3 weeks

Grenadin, Golden Sun. Golden yellow.

Grenadin, Peppermint Stick. Red and white striped.

Grenadin, Red **Grenadin, Triumph, Rose**
Grenadin, Pure White **Grenadin, Mixed**

Any of above, tr. pkt. 60c, 1/8oz. \$1.20, 1/4oz. \$2.00, oz. \$6.50

DWARF VIENNA (Dwarf Strain of Grenadin). 12 in. This strain is much used for spring basket sales.

Aurora. Rose-pink.

Bright Scarlet. Shining crimson.

Desdemona. Bright salmon-rose.

Othello. Bright scarlet.

Prof. Malmgreen. Brick-red.

White. Pure white.

Mixed.

Any of above, tr. pkt. 60c, 1/8oz. \$1.20, 1/4oz. \$2.25

For Annual varieties, see page 9

CENTAUREA

1600 S; 65° to 75° F.; 2 to 3 weeks

Macrocephala. Large, thistle-like, golden yellow flowers. 3 1/2 ft. Tr. pkt. 25c, 1/4oz. 50c, oz. \$1.50.

CHRYSANTHEMUM leucanthemum

25,000 S; 65° to 75° F.; 2 to 3 weeks

Alaska Daisy. Pure white flowers on long stems. Blooms June till frost. Tr. pkt. 25c, 1/4oz. 50c, oz. \$1.50.

Exhibition Giant White. Pure white. Ideal cut flower, producing a large number of real double and semi-double flowers. Tr. pkt. 50c, 1/8oz. \$1.50, 1/4oz. \$2.75.

DAISY, SHASTA (Chrysanthemum maximum)

18,500 S; 65° to 70° F.; 2 to 3 weeks

G. Marconi. Long-stemmed, largest-flowered and finest double Shasta Daisy.

Diener's Giant Double. Best white.

Either of above, tr. pkt. 55c, 1/8oz. \$1.65, 1/4oz. \$3.00

DELPHINIUM

10,000 S; 55° to 65° F.; 3 to 4 weeks

GIANT PACIFIC HYBRIDS. We consider the following to be the most satisfactory type for florists.

Astolat Series. Pale blush tints with some darker tones; all have dark bees. $\frac{1}{2}$ tr. pkt. \$1.25, tr. pkt. \$2.00, $\frac{1}{8}$ oz. \$3.00, $\frac{1}{4}$ oz. \$5.50.

Black Knight. Royal violet with dark bee.

Blue Bird Series. A white bee on clear medium blue petals.

Blue Jay. Medium blue with dark bee.

Cameliard Series. Pure lavender with white bee.

Galahad Series. Finest white. Strong stems; branching habit. 3-in. flowers.

Guinevere. Light pink-lavender with white bee.

King Arthur. Brilliant royal violet with white bee.

Percival Series. Large, glistening white flowers with contrasting black bees.

Summer Skies. Clear light blue with white bee.

Round Table Mixture. All Pacific Giants.

Any of above, except where noted, tr. pkt. \$1.40,
 $\frac{1}{8}$ oz. \$2.50, $\frac{1}{4}$ oz. \$4.50, oz. \$15.50

Belladonna Improved. Light blue. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.25, oz. \$3.75, $\frac{1}{4}$ lb. \$12.50.

Bellamosum Improved. Dark blue. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.25, oz. \$3.75, $\frac{1}{4}$ lb. \$12.50.

Blackmore & Langdon Strain Mixed. One of the best-known strains. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.25, oz. \$3.75, $\frac{1}{4}$ lb. \$12.50.

Gold Medal Hybrids Mixed. Dark shades. Tr. pkt. 35c, $\frac{1}{4}$ oz. \$1.00, oz. \$3.00.

Wrexham (Hollyhock) Strain. Long flowering period. Extremely long and tapering spire-like spikes. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.50, oz. \$5.40.

CHINESE

Alba. Pure white. 2 to 3 ft. Tr. pkt. 35c, oz. \$1.25.

Blue Mirror. (New.) Bright navy-blue, spurless flowers. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.15, oz. \$3.60.

DIANTHUS

26,600 S; 65° to 70° F.; 2 to 4 weeks

BARBATUS (SWEET WILLIAM)

Giant White. Extra large-flowered strain.

Newport Pink. Very attractive rich pastel salmon-rose.

Scarlet Beauty. Intense scarlet-red.

Double Mixture. Formula mixture of all colors.

Single Mixed. Complete color range.

Any of above, tr. pkt. 35c, $\frac{1}{4}$ oz. 75c, oz. \$2.60

Double Dwarf Midget Mixed. Tr. pkt. 40c, $\frac{1}{4}$ oz. 90c, oz. \$3.00.

Dwarf Single Midget Mixed or Indian Carpet. Excellent rock plant. Tr. pkt. 60c, $\frac{1}{4}$ oz. \$1.50, oz. \$4.75.

PLUMARIUS

Semperflorens (Florist's Perpetual Pinks). Extra-choice mixture. Tr. pkt. 35c, $\frac{1}{4}$ oz. 60c, oz. \$2.00.

Semperflorens, Cyclops. Rose and red shades with deeper eye. Tr. pkt. 35c, $\frac{1}{4}$ oz. 60c, oz. \$2.00.

Spring Beauty. Very fragrant; double giant carnation-like form. Beautiful color range. Tr. pkt. 50c, $\frac{1}{8}$ oz. \$1.00, $\frac{1}{4}$ oz. \$1.75, oz. \$5.25.

Special Scotch Extra Double Mixture. Large, 100% double flowers with non-incurved petals. Mixture of rose, mauve, crimson, scarlet colors with purple and dark red marks and zones. Tr. pkt. 35c, $\frac{1}{8}$ oz. \$1.00, $\frac{1}{4}$ oz. \$1.75, oz. \$5.10.

DICENTRA (Bleeding-Heart)

1600 S; germinate same as Trollius

Spectabilis. Rose-red flowers. Tr. pkt. \$1.50, $\frac{1}{16}$ oz. \$2.50, $\frac{1}{8}$ oz. \$4.50.

DICTAMNUS (Gas-Plant)

1700 S; soak seed (germinates unevenly)

Fraxinella, Red. Rosy pink flowers with deeper veins; very showy. $2\frac{1}{2}$ ft. Tr. pkt. 35c, $\frac{1}{4}$ oz. 75c, oz. \$2.25.

DIGITALIS (Foxglove)

272,500 S; 65° to 70° F.; 2 to 3 weeks

Horizontal Excelsior Hybrids. The florets of this new strain are carried either horizontally or nearly so, thus revealing the full effect of the markings inside the bells. Complete color range. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.20, $\frac{1}{2}$ oz. \$1.95, oz. \$3.60.

FORGET-ME-NOT (Myosotis)

30,400 S; 65° to 70° F.; 2 to 3 weeks

Carmine Bedder. This is the deepest rose color. The 6-in. plants produce an abundance of bright rosy carmine flowers. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.15, oz. \$4.00.

Alpestris, Rose. Delicate rose-pink. Tr. pkt. 40c, $\frac{1}{4}$ oz. 95c, oz. \$3.15.

Hybrida

Isolde Krotz. Extra dwarf, very large flowered. Rich blue.

Margo Sacher. Celestial blue. The largest flowered of all.

Star of Love. Bright azure-blue. Very dwarf. Excellent for forcing.

Any of above, tr. pkt. 50c, $\frac{1}{4}$ oz. 95c, oz. \$3.15

Victoria Strain. Has very dwarf, globular growth; large flowered.

Azure-Blue Indigo-Blue Rose White

Any of above, tr. pkt. 40c, $\frac{1}{8}$ oz. 90c, $\frac{1}{4}$ oz. \$1.60, oz. \$4.90

GAILLARDIA grandiflora

9500 S; 65° to 70° F.; 2 to 3 weeks

Burgundy. Wine-red flowers $2\frac{1}{2}$ in. across. Blooms from June till frost. $2\frac{1}{2}$ ft.

Dazzler. Large flowers of bright golden yellow with maroon-red center. 3 ft.

Monarch Strain. A superior strain of large, full-petaled flowers with an excellent range of colors.

Any of above, tr. pkt. 30c, $\frac{1}{4}$ oz. 55c, oz. \$1.85

Goblin. Forms attractive, compact plants with red and yellow bicolored flowers. Free flowering.

Golden Goblin. Bright yellow. Compact plants.

Either of above, tr. pkt. 30c, $\frac{1}{4}$ oz. 75c, oz. \$2.25



GAILLARDIA, Goblin

GEUM (Avens) 7000 S; 65° to 70° F.; 3 to 4 weeks

Lady Stratheden. Orange-yellow, large, double flowers.

Mrs. Bradshaw. Bright scarlet, splendid double flowers. 2 ft.

Either of above, tr. pkt. 30c, $\frac{1}{4}$ oz. 90c, oz. \$2.70

GYPSOPHILA 33,000 S; 65° to 70° F.; 1 to 2 weeks

Double Snowflake. 40 in. 20 to 40% double. Pure white. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.50, oz. \$5.00.

Oldhamiana (Perennial Baby's Breath). Autumn flowering; rose-pink. Tr. pkt. 35c, $\frac{1}{4}$ oz. 75c, oz. \$2.50.

HELLEBORUS 3600 S; frost germinator.

Niger (Christmas Rose). Bright green foliage and attractive white blooms in late winter or early spring. Tr. pkt. 70c, $\frac{1}{4}$ oz. \$1.20, oz. \$3.60.

HEUCHERA (Coral Bells) 750,000 S; 65° to 70° F.; 2 to 3 weeks
Sanguinea Hybrid, Bright Crimson.
Sanguinea hybrida Mixed. Shades of red through rose to white.
 Either of above, tr. pkt. 60c, 1/16oz. \$1.75, 1/8oz. \$3.25

HOLLYHOCK 3200 S; 65° to 70° F.; 2 to 3 weeks
Chater's Mixed. Tr. pkt. 35c, 1/4oz. 65c, oz. \$2.00.
Triumph Strain. Beautiful fringed flowers in new shades. Tr. pkt. 55c, 1/4oz. \$1.00, oz. \$3.00.
IBERIS (Hardy Candytuft). See Candytuft.

LIATRIS (Gayfeather)

9500 S; 65° to 70° F.; 3 to 4 weeks

Pycnostachya. Long-stemmed rosy crimson spikes 15 to 18 in. long. Finest for cutting.
Scariosa. Rosy purple; long spikes. 4 ft.
Scariosa, Snow-White. Considered by many to be the most beautiful Liatris. Blooms of purest white.
 Any of above, tr. pkt. 50c, 1/4oz. \$1.80



LUPINES, Russell Hybrids Mixed

LUPINES

1000 S; 65° to 70° F.; 3 to 4 weeks (soak seed)

Russell Hybrids Mixed. Large flowers; marvelous color range.

Separate Colors

Chandelier. Yellow shades.
My Castle. Shades of brick-red.
The Chatelaine. Shades of delicate pink.
The Pages. Shades of glowing carmine.

Any of above,
 tr. pkt. (1/8oz.) 40c, 1/4oz. 70c, oz. \$2.10, 1/4lb. \$6.50

LYCHNIS

64,000 S; 65° to 70° F.; 3 to 4 weeks

Forresti Hybrids. Free-blooming strain in shades of pink, carmine and white. 2 ft. Tr. pkt. 35c, 1/4oz. \$1.10, oz. \$3.30.

Viscaria splendens. Rosy lilac; for rock gardens. 14 in. Tr. pkt. 25c, 1/4oz. 50c.

MATRICARIA (Bridal Rose or Feverfew)

145,000 S; 65° to 70° F.; 2 to 3 weeks

Ultra-Double White. Select florists' strain. Closely approaches the quality usually obtained only from cuttings. Tr. pkt. \$1.00, 1/16oz. \$2.00, 1/4oz. \$6.00.

Ball Double White. Extra select. 18 in. Tr. pkt. 40c, 1/8oz. \$1.10, 1/4oz. \$2.00, oz. \$6.00.

DWARF TYPES. For pots and borders. About 8 in. high.

Golden Nuggets. Plants completely covered with small, chrysanthemum-like blooms of rich butter-yellow.

White Stars. Extra dwarf. White flowers with broad guard petals around a button-like center. Very attractive.

Either of above, tr. pkt. 35c, 1/16oz. 60c, 1/4oz. \$2.00

MYOSOTIS. See Forget-Me-Not.

POPPY, ORIENTAL

140,000 S; 65° to 70° F.; 1 to 2 weeks

Beauty of Livermere. Dark oxblood-red.

Brilliant. Vivid fiery red.

Princess Victoria Louise. Light orange-salmon.

Choice Mixed. Mixture of all colors.

Any of above, tr. pkt. 40c, 1/4oz. \$1.20, oz. \$3.60



PRIMULA veris

PRIMULA veris (Polyanthus)

33,000 S; 65° to 70° F.; 3 to 6 weeks

Pacific Giants. Enormous 3-in. flowers in the brightest colors. Earlier blooming. All seeds are saved by hand hybridization under glass.

Pacific Giants Mixed. A formula mixture from separate colors. The clear colors, larger flowers and longer stems make this strain outstanding.

Separate Colors

Blue Shades	Pink and Rose Shades
Scarlet and Bright Red Shades	White
Yellow and Bronze Shades	

Any of above, tr. pkt. \$2.35, 1/64oz. \$4.00,
 1/16oz. \$12.00, 1/4oz. \$35.00

GIANT FLOWERED

Bright Yellow

Coerulea. Blue shades.

Giant Munstead. Light shades.

Red Shades
White

Colossal Mixed. Giant flowered choicest mixed. Contains many new shades.

Any of above, tr. pkt. \$1.25, 1/16oz. \$1.65, 1/8oz. \$3.00,
 1/4oz. \$5.25, oz. \$17.00

Japonica Mixed. Crimson, rose and pink flowers borne in whorls on 6 to 9-in. stems. Tr. pkt. 60c, 1/8oz. \$1.80.

Acaulis Blue. Beautiful shade of blue. Tr. pkt. \$1.25.

Acaulis Mixed. When in full bloom, these luxuriant plants are a mass of brilliance. Each tight, rose-like bud is carried on a separate stem. Tr. pkt. \$1.10.

Auricula, Monarch Strain Mixed. An exceedingly hardy Primula. Very attractive plant forming rosettes of thick leaves, sometimes farinose or mealy. The plants bloom from April to June and again in the fall. Tr. pkt. \$1.25, 1/8oz. \$3.00, 1/4oz. \$5.25.

Sieboldi. Most rugged Primula. Beautiful yet fragile-looking, fringed blooms of white, rose and lavender shades. Sow late fall and winter and place flats outside to freeze in order to assure germination. 350 seeds \$2.50.

Denticulata grandiflora. Beautiful globular blooms on long stems. White, blue and violet shades in this mixture. Tr. pkt. \$1.00, 1/16oz. \$1.50, 1/8oz. \$2.50.

Cashmiriana. A form of Denticulata. Rosy lilac blooms. 12 in. Tr. pkt. 60c, 1/16oz. \$3.25, 1/8oz. \$5.30.

PYRETHRUM (Painted Daisies)

22,000 S; 65° to 70° F.; 2 to 3 weeks

James Kelway. Rich crimson-scarlet. Tr. pkt. 60c, 1/4oz. \$1.50, oz. \$4.75.

Robinson's Giant Hybrids. Tr. pkt. 60c, 1/4oz. \$1.50, oz. \$4.75.

German's Giant Double Mixed. High percentage of double flowers; excellent color range. Tr. pkt. 60c, 1/8oz. \$1.55, 1/4oz. \$2.75, oz. \$8.20.

SCABIOSA

2400 S; 65° to 70° F.; 2 to 3 weeks

House's New Hybrids. Tr. pkt. 45c, 1/4oz. \$1.35, oz. \$4.00.

SWEET WILLIAM. See *Dianthus barbatus*, page 25.

TRITOMA (Red-Hot Poker)

20,000 S; 65° to 70° F.; 3 to 4 weeks (slow and uncertain)

Royal Castle Hybrids. Splendid new color range; flowers of perfect form.

Uvaria grandiflora. Fiery red with yellow.

Either of above, tr. pkt. 50c, 1/4oz. \$1.50, oz. \$4.50

TROLLIUS Ledebouri

8000 S; expose seed flats to freezing temperature for several weeks, then bring into 60° house

Dark Orange. As named.

Golden Queen. Golden orange petals, yellow anthers; large. The best variety. 3 to 4 ft.

Either of above, tr. pkt. 60c, 1/16oz. \$1.25, 1/8oz. \$2.25

VIOLA cornuta

24,000 S; 65° to 70° F.; 2 to 3 weeks

CORNUTA (Small-flowered Types)

Blue Gem (Jersey Gem). Deep violet-blue. Tr. pkt. 60c, 1/8oz. \$2.00.

VIOLA, continued

Blue Perfection. Large-flowered light blue. Tr. pkt. 60c, 1/8oz. \$1.10, 1/4oz. \$2.00, oz. \$6.00.

Johnny Jump Up, Mixed. Three-colored blooms of deep violet, light blue and gold. Tr. pkt. 60c, 1/8oz. \$1.35, 1/4oz. \$2.50, oz. \$7.50.

Lutea Splendens. Golden yellow. Tr. pkt. 60c, 1/8oz. \$1.10, 1/4oz. \$2.00, oz. \$6.00.

CORNUTA HYBRIDA (Large-flowered Types)

Admiration. Deep violet-blue. Tr. pkt. 60c, 1/4oz. \$2.00, oz. \$6.00.

Arkwright Ruby. Rich crimson with dark eye. Tr. pkt. 60c, 1/8oz. \$1.10, 1/4oz. \$2.00, oz. \$6.00.

Chantreyland. Pure apricot; very free blooming. Tr. pkt. 60c, 1/8oz. \$1.10, 1/4oz. \$2.00, oz. \$6.00.

Purple Bedder. Rich wine-purple with small yellow eye. Tr. pkt. 60c, 1/8oz. \$1.60, 1/4oz. \$2.90.

White Perfection. Large-flowered white. Tr. pkt. 60c, 1/8oz. \$1.10, 1/4oz. \$2.00, oz. \$6.00.

Yellow Gem. Best pure yellow. Tr. pkt. 60c, 1/4oz. \$1.60, oz. \$5.25.

Yellow Perfection. Canary-yellow, an improved *Lutea Splendens*. Tr. pkt. 60c, 1/8oz. \$1.10, 1/4oz. \$2.00, oz. \$6.00.

German's Special Mixed. A superb mixture. Tr. pkt. 60c, 1/4oz. \$1.35, oz. \$4.80.

Toyland. (New.) A mixture of F₂ hybrids. Large well-rounded, 2-in. blooms, gracefully waved, on sturdy, compact plants. Color range: red, gold, apricot, blue, purple, violet, black and white. Extremely vigorous; prolific bloom. Tr. pkt. 75c, 1/8oz. \$1.75, 1/4oz. \$3.15.

ZINNIA, Apache Snowflakes. A hardy perennial. See page 22.

Spring Bedding Plants, Rooted Cuttings and Flowering Plants

Because of an increased demand from our customers, we are listing plants and cuttings for the first time. Cash with order or payment within 10 days of delivery date to customers with proven credit ratings. No discount from these prices.

	Per 100	Per 1000
ACHYRANTHES		
Red. Rooted cuttings.....	\$5.00	\$45.00
AGERATUM. Rooted cuttings.		
Blue Mound. Very dwarf and uniform.....	3.50	30.00
Riverside Improved. Well-known variety.....	3.00	27.50
Masterpiece. Medium dwarf.....	3.00	27.50
Pink. Medium dwarf.....	3.50	30.00
White. Medium dwarf.....	3.50	30.00
Blue Sky. Tall, for cut flowers.....	3.50	30.00
CALCEOLARIA		
Sept. to January delivery. F.O.B. Ohio		
Gilbert's Multiflora Nana. In 2 1/4-in. peat pots	20.00	
Gilbert's F. Hybrids.....	25.00	
Triumph Strain.....	20.00	
COLEUS. Rooted cuttings.		
15 different varieties.....	4.00	38.00
BOSTON DAISY. White or yellow		
Rooted cuttings.....	7.50	70.00
2 1/4-in. pots.....	13.00	125.00
PINK DAISY. Rooted cuttings.....	13.50	125.00
DUSTY MILLER. Fine-fern-leaved. Rooted cuttings.....	4.50	45.00
DRACEANA INDIVISA (Spikes)		
2 1/4-in. pots.....	12.00	
3-in. pots.....	25.00	

	Per 100	Per 1000
FUCHSIA. Rooted cuttings		
Little Beauty. Double. Red petals, purple bell.	\$8.00	\$75.00
Winston Churchill. Double. Rose petals, violet bell.....	7.00	65.00
Pride of Orion. Double. Red with white bell.		
Medium to tall.....	7.00	65.00
2 1/4-in. pots of above varieties, pinched and well branched, at.....	13.50	
IMPATIENS SULTANI. All varieties or Mixed.		
Rooted cuttings.....	5.00	45.00
LANTANA. 2 1/4-in. pots, pinched and with good strong breaks.		
Michale Schmidt. Bronze color.		
Radiation. Bronze to red.		
Caprice. Light pink.		
Lady Olivia. Dark pink.		
Golden King. Yellow.		
White. Ivory.		
Lavender. Weeping.		
All dwarf varieties.....	13.00	120.00
Gilbert's Surprise. Very dwarf, bronze to light pink, perfect for potting. Minimum order 100 plants.....	15.00	
VINCA VARIEGATA. Highly colored, plants with many strong breaks. Rooted cuttings.....	4.25	40.00
2 1/4-in. pots.....	12.00	110.00
3-in. pots.....	25.00	

500 plants at 1000 rate

EXTRA-SELECT *Vegetable Seeds*

Days to maturity: The number of days indicated are from setting out plants to open fields, as applied to broccoli, cabbage, cauliflower, celery, pepper, and tomato, which ordinarily are transplanted

BEETS

2250 S; 65° to 75° F.
Detroit Dark Red. 60 days. Oz. 15c; 1/4lb. 55c.

BROCCOLI

10,000 S; 65° to 75° F.
Green Sprouting Early. 70 days. Most easily grown, standard variety. All season, cut and come again.
Tr. pkt. 20c; oz. 60c; 1/4lb. \$1.65.

BRUSSELS SPROUTS

7000 S; 65° to 75° F.
Long Island Improved. 90 days. Forms large, compact central heads with very free laterals. Medium tall; attractive dark green.
Tr. pkt. 20c; 1/2oz. 35c; oz. 60c; 1/4lb. \$2.00.

NEW F₁ HYBRID STRAIN

Jade Cross. 85 days. Silver Award Winner for 1959. Uniformly packed with firm sprouts from the ground up, it outmodes all other varieties. Extremely vigorous and uniform, 22 in. tall. From 3 to 9 days earlier than Long Island Improved, heavier in yields.
Tr. pkt. 80c; 1/4oz. \$1.25; oz. \$3.75; 1/4lb. \$12.50.

CABBAGE

7000 S; 65° to 75° F.

All of our Cabbage seed is grown in an area free of black rot and black leg. All varieties marked (Y.R.) are yellows-resistant. They are produced by a specialist in the development and production of yellows-resistant seed, who devotes his entire effort to supplying strains of uniform types and quality.

All Cabbage seed is Power-Pak treated to preserve seed vitality, protect against disease, produce better stands and promote stronger plants.

EARLY AND MEDIUM EARLY VARIETIES

(Yellows-Resistant Varieties)

Copenhagen Market. See Wisconsin Copenhagen. Discontinued

Early Jersey Wakefield. See Jersey Queen. Discontinued

Globe. (Y.R.) 80 days. Fairly large, solid, globular, compact blue-green heads, small cored. Uniform, vigorous, dependable, heavy yielder; holds up well for summer and fall markets. Improved Glory type. 1/2oz. 35c; oz. 70c; 1/4lb. \$1.80; lb. \$5.50.

Glory of Enkhuizen. See Globe. Discontinued

Golden Acre. See Wisconsin Golden Acre. Discontinued

Greenback. (Y.R.) 78 days. Excellent for market and long-distance shipping. Widely grown for summer and fall crops. Resists bolting. Vigorous, short-stemmed plants with fine dark green, wavy leaves. 1/2oz. 35c; oz. 60c; 1/4lb. \$1.70; lb. \$4.75.

Jersey Queen. (Y.R.) 58 days. Small, conical, 2 1/2-lb. heads; leaves smooth, dark green. Has the sweetest flavor of any Cabbage grown. A good early strain for home and market-garden use. Improved Early Jersey Wakefield. 1/2oz. 35c; oz. 70c; 1/4lb. \$1.80; lb. \$5.50.

Racine Market. (Y.R.) 65 days. The most uniform of all the early varieties. Plant small in comparison to the 4-lb. head it produces. Heads uniform and compact. May be cut over a period of many days without heads discoloring or bursting. 1/2oz. 35c; oz. 70c; 1/4lb. \$1.80; lb. \$5.50.

Wisconsin Copenhagen. (Y.R.) 65 days. Plant vigorous, developing deeply rounded uniform hard heads even under adverse weather conditions. Ideal size for market—3 to 4 lbs. Improved Copenhagen Market. 1/2oz. 35c; oz. 65c; 1/4lb. \$1.75; lb. \$5.00.

Wisconsin Golden Acre. (Y.R.) 55 days. Earliest round-head variety, very uniform, with smooth dark green leaves. Its best quality production is in the spring. Excellent for early home garden and market trade. Improved Golden Acre. 1/2oz. 35c; oz. 70c; 1/4lb. \$2.10; lb. \$6.00.

LATE OR WINTER VARIETIES

Danish Ballhead, Penn State Strain. 100 days. Heads very solid, uniform and globe shaped. Fine-grained, excellent keeping variety. Popular size for market. 1/2oz. 35c; oz. 70c; 1/4lb. \$2.10; lb. \$6.00.

Improved Wisconsin Ballhead. (Y.R.) 95 days. Well adapted for summer and early fall crops. Plants fairly small. Round, clean, solid, compact heads; short stemmed. Earlier than most Danish types. Not cold resistant and will not take storage. 1/2oz. 35c; oz. 70c; 1/4lb. \$2.10; lb. \$6.00.

Premium Late Flat Dutch. 100 days. Well known for its large, flat, solid heads of high quality, weighing around 10 lbs. Valuable for late fall and winter, because heads have good keeping qualities. 1/2oz. 35c; oz. 70c; 1/4lb. \$2.10; lb. \$6.00.

Cabbage, continued

RED AND SAVOYED VARIETIES

Resistant Red Hollander. (Y.R.) 95 days. A late, round, red, very uniform head. Heads are solid and compact from formation to maturity, allowing for early cuts if desired. Ideal for late fall shipping and is an excellent storer. 1/2oz. 45c; oz. 90c; 1/4lb. \$2.90; lb. \$9.00.

Savoy, Chieftain. 80 days. Medium large flat heads, rounded on top. Slow bolting; uniformly savoyed. 1/2oz. 35c; oz. 70c; 1/4lb. \$1.80; lb. \$5.00.

Wisconsin Red Acre. 75 days. Earliest red Cabbage. This excellent strain is famous for its dependable early yields, fine quality and ability to stand a long time in the field without splitting, also sure heading. Deep globe, uniform, medium-sized heads, ripening early. This red Cabbage is just what is wanted by the markets, for it sells well, also good for the home garden. Keeps well in storage. 1/2oz. 45c; oz. 90c; 1/4lb. \$2.90; lb. \$8.50.

A discount of 5% per lb. will be allowed on the purchase of 5 lbs. or more of any ONE VARIETY from the above list.

NEW F₁ HYBRID STRAINS (Not Yellows-resistant)

Greenfield. (N. S. Cross.) 94 days. Late season. Late Flat Dutch type. A sensation among market growers. Extremely hard, firm heads that are slow to bolt. Heads weigh 5 to 7 lbs., with small cores and white interior. Very uniform.

Greengold. (C. C. Cross.) 65 days. Extra-early, very uniform, compact and short stemmed. Average 3 lbs. Copenhagen type.

Periwinkle. (O. S. Cross.) 70 days. All-America Winner. Medium early. Its exceptional uniformity and vigor amaze all who have grown it. Very large, solid, flat heads with small cores and white interior; outer leaves quite blue in color.

Any of above, tr. pkt. (1000 seeds) \$1.00;

1/2oz. \$1.65; oz. \$3.00; 1/4lb. \$9.50

Emerald Cross. All-America Award Winner for 1962. One judge voted it the best ever seen and thought it could replace Copenhagen Market and Golden Acre. Very early Copenhagen-Golden Acre type. Heads about 7 in. in diameter and 6 in. thick, almost round in shape. Very compact, with well-blanching interior. Medium blue-green, short wrapper leaves are erect. Remarkably long lasting, standing in the field after maturity without bursting. Tr. pkt. (1000 seeds) \$1.25; 1/2oz. \$2.20; oz. \$4.00; 1/4lb. \$11.50; lb. \$34.00.



CABBAGE, Emerald Cross

CAULIFLOWER

7000 S; 65° to 75° F.

Extra Early Snowball. 52 days. Compact, pure white heads of superb quality. Best early variety.

Snowball "A". 55 days. Medium heads, deep and solid, ivory-white.

Snowball "X". 60 days. Large, firm, pure white heads, maturing gradually. Best variety for the home gardener.

Super Snowball. 55 days. Regular in maturing, waxy white.

Any of above, tr. pkt. 40c; 1/4oz. 80c; 1/2oz. \$1.40; oz. \$2.50; 1/4lb. \$8.00; lb. \$24.00

A discount of 5% per lb. will be allowed on the purchase of 5 lbs. or more of any ONE VARIETY from the above list.



CUCUMBER, Early Marketer

CUCUMBER

1000 S; 65° to 75° F.

F₁ HYBRIDS

Early Marketer. 60 days. Standard slicer. Uniform and trim, tapered at both ends.

Tr. pkt. 50c; 1/4oz. \$1.40; oz. \$4.20; 1/4lb. \$12.50.

Early Surecrop. 58 days. Slender fruits with blunt ends; flesh crispy and white. 8 to 9 in. long.

Tr. pkt. 50c; 1/4oz. \$1.40; oz. \$4.20; 1/4lb. \$12.00.

Saticoy Hybrid. 60 days. Dark green slicer, 7 to 8 in. long. Very straight and uniform. Flesh is crisp, firm, white and of excellent quality. Strong vine resistant to mosaic and downy mildew.

Tr. pkt. 55c; 1/4oz. \$1.40; oz. \$4.20; 1/4lb. \$12.50.

CELERY

8000 S; 65° to 75° F.

Cornell No. 19. 95 days. Self-blanching golden, long stalked, smooth ribbed, crisp and deeply rounded. Excellent quality. Bolts quickly if started too early.

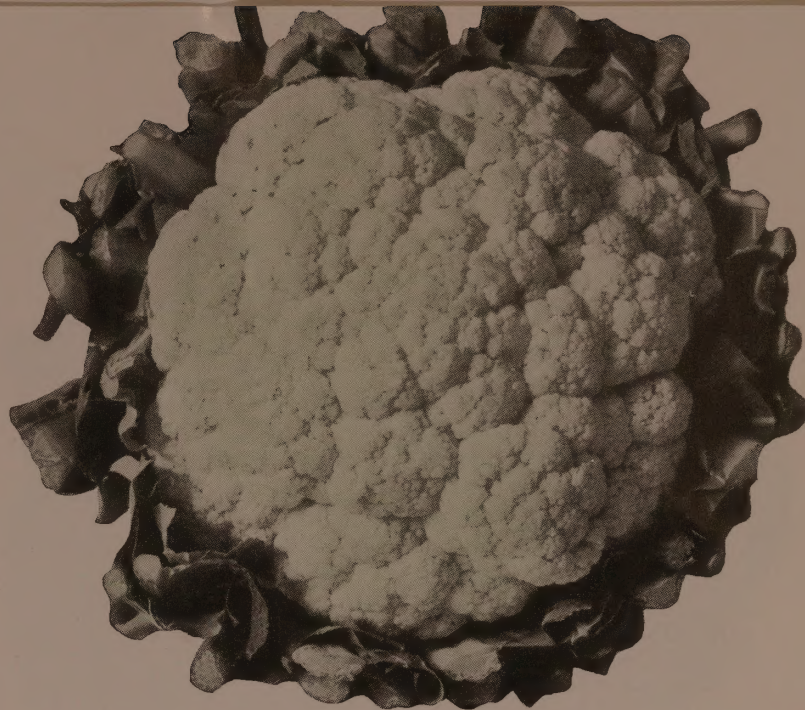
Tr. pkt. 50c; 1/2oz. 85c; oz. \$1.55; 1/4lb. \$5.25.

Summer Pascal. 110 days. High quality, upright growth and long stems lead to its attractiveness. Crisp, green and tender. Stands handling well and is a good shipper.

Tr. pkt. 45c; 1/2oz. 75c; oz. \$1.40; 1/4lb. \$4.50.

Utah No. 52-70. 125 days. Most widely grown Celery today. Vigorous, healthy, rugged, tall, erect plants with thick smooth stems of high quality. Good green color and packs well.

Tr. pkt. 70c; 1/2oz. \$1.20; oz. \$2.15; 1/4lb. \$7.10.



CAULIFLOWER, Extra Early Snowball

EGGPLANT 6000 S; 65° to 75° F*

STANDARD VARIETY

Black Beauty. 80 days. Large, deep purple fruit. Solid and tender, with a good flavor.

Tr. pkt. 20c; 1/4oz. 25c; 1/2oz. 40c; oz. 80c; 1/4lb. \$2.15; lb. \$7.50.

F₁ HYBRIDS

Mission Bell. 70 days. Deep, oval, dark, glossy fruit, tapering slightly toward the stem. Smooth, shiny skin. Plants vigorous, upright, medium tall. Excellent quality, high yields and earliness combine to make this an outstanding variety.

Tr. pkt. 75c; 1/2oz. \$1.25; oz. \$2.25.

Hybrid No. 25. 65 days. Oval fruited, very early maturing. Glossy black skin. Continuous bearer; prolific.

Tr. pkt. 60c; 1/2oz. \$1.00; oz. \$1.85.

TS Cross. We recommend this variety from actual field tests in many growing areas of the United States. Extremely vigorous. Large, dark fruit. Early producer.

Tr. pkt. 60c; 1/2oz. \$1.00; oz. \$1.75.



CELERY, Utah No. 52-70



LETTUCE, Bibb Buttercrunch

LETTUCE 15,000 S; 60° to 70° F.

LOOSE-LEAF

Grand Rapids. 42 days. Most popular variety. Exceedingly tender, crisp and large leaved. **Tr. pkt. 15c; oz. 30c; 1/4lb. 70c.**

Ruby. 47 days. All-America Winner for 1958. Non-heading, fancy, frilled and crisp, bronzy red. **Tr. pkt. 40c; oz. 70c; 1/4lb. \$2.00.**

Salad Bowl. 45 days. Leaves short and close set, fine flavored. Withstands summer heat, slow to bolt.

Tr. pkt. 25c; oz. 65c; 1/4lb. \$1.65.

HEAD LETTUCE

Bibb Buttercrunch. All-America Award Winner for 1963. Slow bolting and heat resistant. Very compact head. Leaves thick but juicy and crisp. **Tr. pkt. (1/4oz.) 50c; oz. \$1.65; 1/4lb. \$4.75.**

Great Lakes No. 659. 80 days. Early, heat resistant, slow bolting. Heavy solid heads; withstands frost.

Tr. pkt. 30c; oz. 65c; 1/4lb. \$1.75.

Pennlake. 75 days. Large, compact, uniform heads, slow to bolt. **Tr. pkt. 25c; oz. 70c; 1/4lb. \$1.90; 1/2lb. \$2.90.**

Premier Great Lakes. 80 days. Solid, round heads, 7 in. across, average 2 lbs. Resistant to tip-burn.

Tr. pkt. 35c; oz. 75c; 1/4lb. \$2.00; 1/2lb. \$3.15.

MUSKMELON 1000 S; 65° to 75° F.

Early Delicious No. 51. 80 days. Fusarium resistant. Orange flesh, thick, sweet, and juicy. Good for home gardeners and local markets. **Tr. pkt. 20c; 1/2oz. 35c; oz. 50c; 1/4lb. \$1.50.**

Harvest Queen. (New.) 85 days. Fusarium resistant. Oval shape; extra-thick flesh. Good shipper and keeper.

Tr. pkt. 20c; 1/2oz. 35c; oz. 50c; 1/4lb. \$1.50.

Hearts of Gold. 90 days. Flesh very thick, tender, sweet and juicy. A good midseason variety. Useful for local markets and shipping.

Tr. pkt. 20c; oz. 35c; 1/4lb. 95c; lb. \$2.85.

F₁ HYBRID

Saticoy Hybrid. 84 days. Slightly oblong, 6 1/2 by 5 1/2 in., slate-green with medium rosy netting. Weight about 4 lbs. Very productive. Thick, firm, dark orange flesh of excellent flavor. Vines resist mildew and fusarium wilt.

Tr. pkt. \$1.00; 1/4oz. \$2.25; oz. \$8.50.

Super Market. 82 days. Fusarium resistant. Deep salmon, thick, firm flesh. Delicious flavor. Holds up well; very prolific.

Tr. pkt. \$1.00; 1/4oz. \$2.25; oz. \$8.50.

WATERMELON 415 S; 65° to 75° F.

Sugar Baby. (New.) 83 days. Icebox type. Flesh solid, firm, crisp and fine textured, bright red. The flavor is excellent, sweet and tasty. Diameter 7 to 8 in. Perfectly round, with a hard rind; stands handling and shipping well.

Tr. pkt. 15c; 1/2oz. 25c; oz. 35c; 1/4lb. \$1.20.

WATERMELON, continued

F₁ HYBRID

Golden Striped. Tall Ball shaped, 15 lbs. A new delicious, rare variety with yellow rind and flesh, sweet, juicy and very tasty. Outstanding in our trials.

Tr. pkt. 65c; 1/4oz. \$1.15; 1/2oz. \$2.00; oz. \$3.50; 1/4lb. \$12.00.

New Early Midget. (New.) 80 days. Icebox type. Thick dark green skin; crisp red flesh. Good shipper. It is superior in every way to present Icebox-type melons, in both eating and shipping qualities.

1/4oz. \$1.15; oz. \$3.50; 1/4lb. \$10.00.

Red Cherry. 72 days. We placed a number of trials of this variety in growers' hands, and reports are enthusiastic. Rather tall, Ball shaped. Weighs about 15 lbs. Dark green rind. Flesh bright crimson, soft and very sweet. The best Watermelon we have ever tasted.

Tr. pkt. 65c; 1/4oz. \$1.15; 1/2oz. \$2.00; oz. \$3.50; 1/4lb. \$12.00.

SEEDLESS

Seedless Hybrid 3X. Flesh deep red, crisp, very sweet and when cut shows practically no seeds. Round, attractively striped, 11 to 12 lbs. In order to assure fruit set, plant about 10% of the field in regular seed varieties. Needs more heat to assure good germination than other types. **100 seeds \$3.25; 500 seeds \$15.00.**

ONION 9000 S; 60° to 70° F.

BUNCHING VARIETIES

Beltville Bunching. 65 days. Stands hot dry weather. Best green Onion for harvesting during August. Flesh crisp, very mild and of excellent quality.

Tr. pkt. 35c; oz. \$1.20; 1/4lb. \$3.75; lb. \$12.25.

Evergreen Bunching. 60 days. For young white bunching. Produces clusters of four to six useful shoots from a single seed.

Oz. 50c; 1/4lb. \$1.40; lb. \$4.25.

STANDARD VARIETIES

Prizetaker. See Elite, which we highly recommend. Discontinued

Red Wethersfield. 100 days. Excellent keeper. Deep purple skin; flesh white with faint pink tinge. **Oz. 50c; 1/4lb. \$1.50; lb. \$4.50.**

Utah Sweet Spanish. 112 days. Skin amber-yellow; globe shaped. Flesh firm but juicy and sweet. Good keeping quality.

1/2oz. 35c; oz. 65c; 1/4lb. \$1.80; lb. \$5.25.

F₁ HYBRIDS—Adapted for Northern Areas

Abundance. 100 days. Light yellow skin, uniformly large deep globe shape, good size, heavy yielder.

Tr. pkt. 30c; 1/2oz. 50c; oz. 90c; 1/4lb. \$2.80; lb. \$8.50.

Early Harvest. 85 days. Bulbs medium to large, globe to deep globe shape, mildly pungent. Light yellow scales.

Tr. pkt. 30c; oz. 95c; 1/4lb. \$3.20; lb. \$10.00.

Elite. (New.) 105 days. Especially adapted to muck soil. A very heavy yielder. Large, deep globe-shaped Onions; skin glossy brown. Plant Elite for your main storage Onion this year.

Tr. pkt. 30c; 1/2oz. 50c; oz. 90c; 1/4lb. \$2.80; lb. \$8.50.

Yellow Sweet Spanish P. W. No. 160. (New.) 95 days. Heavy yielder of golden yellow, very uniform, large globe-shaped bulbs. More uniform and heavier than Utah Sweet Spanish. Flesh is firm, yet very juicy and sweet. Good storer because of its high keeping quality.

Tr. pkt. 30c; 1/2oz. 60c; oz. \$1.15; 1/4lb. \$3.25; lb. \$9.75.

A discount of 5% per lb. will be allowed on the purchase of 5 lbs. or more of any ONE VARIETY from the above list.



ONIONS, Abundance

PARSLEY

1/4oz. will sow 50 foot row; 55° to 65°

Dark Moss Curled. 70 days. Leaves very dark, finely cut and deeply curled. **Oz. 30c; 1/4lb. \$1.00.**



PEPPERS, Delaware Belle

PEPPER 3000 S; 70° to 80° F.

Maturity dates indicate approximate time required from final planning to the production of marketable green Peppers.

SWEET VARIETIES

All Big. 60 days. Big; thick fleshed. Matures early, sets fruit in hot weather, prolific. An improved World Beater.

1/2oz. 55c; oz. 95c; 1/4lb. \$3.10; lb. \$9.50.

California Wonder. 73 days. Four lobed; thick sweet flesh. Green changing to crimson. A good stuffer.

1/2oz. 50c; oz. 90c; 1/4lb. \$2.65; lb. \$8.00.

Calwonder Early. 70 days. Large, attractive, blocky fruit; thick meat. Deep green changing to bright red.

1/2oz. 50c; oz. 90c; 1/4lb. \$2.80; lb. \$8.50.

Delaware Belle. (New.) 65 days. Plants 18 to 24 in. high. Three to four-lobed, green fruits when mature. After this stage it takes about three weeks for fruits to turn red. Highly productive bell type, resistant to tobacco mosaic. Sets fruit well under adverse conditions. Will outyield all California Wonder strains.

1/2oz. 55c; oz. 95c; 1/4lb. \$3.10; lb. \$9.50.

Golden Wonder. 68 days. Thick sweet flesh. Productive over a long period. Green changing to deep golden yellow.

1/2oz. 60c; oz. \$1.00; 1/4lb. \$3.35; lb. \$10.00.

Harris Early Giant. We recommend Vinedale. Discontinued

Keystone Resistant Giant. 77 days. Very large-fruited type. Big, heavy, 4 to 4 1/2-in. fruit, 3 3/4 in. in diameter, mostly 4-lobed. Good yielder.

1/2oz. 50c; oz. 90c; 1/4lb. \$2.80; lb. \$8.50.

King of the North. 65 days. Medium thick, early, large fruits, slightly tapered.

1/2oz. 45c; oz. 80c; 1/4lb. \$2.25; lb. \$7.50.

Oshkosh. 70 days. Bright yellow when ripe. Fruit smooth, blocky, 4 1/2 in. long and 3 1/2 in. in diameter.

1/2oz. 50c; oz. 90c; 1/4lb. \$2.65; lb. \$8.00.

Pennwonder. 60 days. The finest, most dependable, early Pepper grown. More uniform, sturdy growth of good size. Thick-meated, blocky-shaped, sweet mild Peppers. Dark green in color, turning to a rich red. Good for home gardens and marketing.

1/2oz. 50c; oz. 95c; 1/4lb. \$2.95; lb. \$9.50.

Pimiento Perfection. 72 days. Heart shaped, sweet, medium thick walls, smooth skin. Turns scarlet.

1/2oz. 45c; oz. 70c; 1/4lb. \$2.50; lb. \$7.50.

Sunnybrook (Sweet Cheese). 72 days. Most popular pimiento Pepper grown. Smooth tomato or squash shape. Early, prolific, scarlet-red. 2 x 3 in.

1/2oz. 45c; oz. 80c; 1/4lb. \$2.50; lb. \$7.50.

PEPPER, continued

Sweet Banana. 60 days. Same as sweet Hungarian Yellow Wax. Smooth, pointed fruit, 6 in. long, banana-yellow turning red. Looks like a hot Pepper but is sweet.

1/2oz. 50c; oz. 90c; 1/4lb. \$3.00; lb. \$9.00.

Vinedale. 63 days. Replaces and improves Harris Early Giant. Extremely early ripening, vigorous, productive, sure cropper. Fruits somewhat tapered and borne upright, with fairly thick flesh of good quality. Produces red Peppers right from the beginning of the season.

1/2oz. 50c; oz. 85c; 1/4lb. \$3.25; lb. \$10.00.

PUNGENT OR HOT VARIETIES

Hungarian Block Type. (New.) 65 days. Medium hot flavor. Fruits taper to a blunt point and are borne erect on quite small plants. Light yellow, turning orange, then red as they ripen. They are 4 in. long and 2 1/2 in. wide at the shoulder.

1/2oz. 50c; oz. 85c; 1/4lb. \$3.25; lb. \$10.00.

Hungarian Yellow Wax. 60 days. Pendent, vigorous, prolific, smooth and tapered. Ripens early to a waxy yellow, turning bright red when fully ripened. It is widely grown for market and canning.

1/2oz. 50c; oz. 90c; 1/4lb. \$2.90; lb. \$9.00.

Large Red Cherry. 70 days. Round, smooth and solid. Used for pickles.

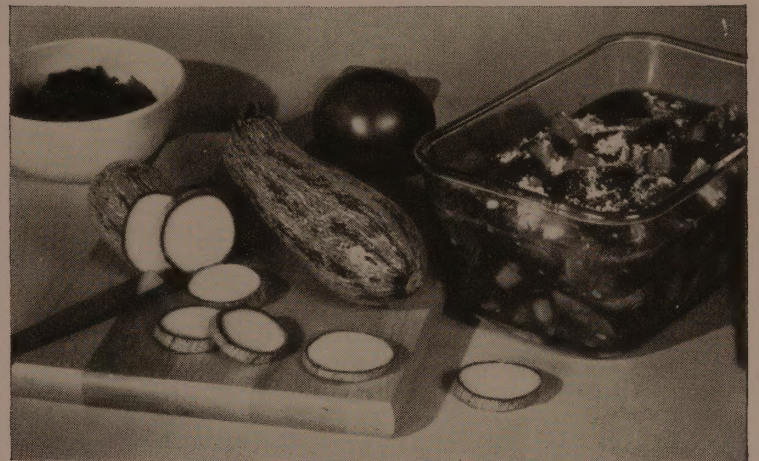
1/2oz. 50c; oz. 85c; 1/4lb. \$2.55; lb. \$8.00.

Long Red Cayenne (Thick). 70 days. Hot, pungent, tapered bright red fruit. Often curled and twisted, averaging 1 in. in diameter. Easily dried for winter.

1/2oz. 40c; oz. 60c; 1/4lb. \$2.00; lb. \$6.00.

Tr. pkts. of any of the above varieties, 30c each

A discount of 5% per lb. will be allowed on the purchase of 5 lbs. or more of any ONE VARIETY from the above list.



SQUASH, Summer Greyzini

SQUASH

F₁ HYBRID

Blackini. 50 days. Attractive dark green Zucchini type. An early, heavy yielder. Ideal picking stage for eating is when 6 to 8 in. long. Plants compact and bushy.

1/2oz. 35c; oz. 70c; 1/4lb. \$2.00; lb. \$6.00.

Summer Greyzini. All-America Award Winner for 1963. 50 days. Very productive over a long season. Uniform fruits of excellent quality, tender and delicious.

Tr. pkt. 50c; oz. \$1.00; 1/4lb. \$3.00; lb. \$9.25.

Winter Hercules. All-America Award Winner for 1963. 95 days. Butternut type. Large and prolific. Flesh dark orange, very firm and of excellent quality. Small seed cavity. Averages 4 lbs. in weight; stores well.

Tr. pkt. (1/2oz.) 20c; oz. 35c; 1/4lb. \$1.00; lb. \$4.00.

TOMATO 7000 S; 60° to 70° F.

SPECIAL FORCING

Michigan State Forcing. 75 days. Wilt resistant. Early, heavy yielder. Deep rich scarlet, globe-shaped fruits hang in large clusters. Average weight 4 to 5 ozs.

Tr. pkt. 50c; 1/4oz. \$1.00; oz. \$3.00.

F₁ HYBRID FORCING

Michigan-Ohio Forcing. Plants large, needing wider spacing and more heat than other varieties to eliminate leaf mold. The extra heat is well justified by the heavier yield of large, high-grade, marketable fruit. Fruits red, thick walled and solid, borne freely to the tops of the vines.

Tr. pkt. \$1.25; 1/16oz. \$3.30; 1/4oz. \$11.00; oz. \$33.00.

TOMATO, continued

Tuckcross O. (New.) 70 days. An early forcing type, very productive and sets fruit well under adverse weather conditions. Highly disease resistant; recommended as a large-fruited greenhouse variety. Uniform, large, smooth, globe-shaped, very meaty red fruit with a mild flavor of excellent quality.

Tr. pkt. \$1.25; 1/16oz. \$3.30; 1/4oz. \$11.00; oz. \$33.00.

STOKESCROSS VARIETIES

The astonishing vigor of the Stokes-cross Tomatoes will, in varying degrees, develop these advantages: production increase up to 30%; earlier, more continuous and profuse fruit setting; more extended harvest season; distinctive qualities of color, flavor and firmness; less cracking of fruit.

Stokes-cross No. 1. 65 days. Extra early. Recommended for the grower who profits from the extra-early market. Distinguished by its fabulous production of beautiful red fruit weighing up to 5 ozs. Fruit size good, very solid and will ship well.

Stokes-cross No. 5. 75 days. Its vigor stands out in its heavy production of highly flavored and highly colored fruit weighing 6 ozs. The interior is extremely solid, carrying many of the crack-free qualities. It has a long harvest season and is highly recommended for market and processing.

Either of the above, 1/2oz. 75c; oz. \$1.30; 1/4lb. \$4.00; lb. \$12.00

OUTSTANDING IMPROVED STOKES STRAINS

Tomato seed by Stokes. Treated with New Improved Ceresan.

Master Marglobe. 78 days. Chiefly resistant to fusarium wilt and nail-head rust. Most outstanding uniform strain, heavily productive. Smooth, deep globe-shaped fruit, solid and firm.

Rutgers. 82 days. Large, globular fruit with thick walls. Prolific and vigorous. Good for shipping or canning.

Valiant. 70 days. Deep globe shaped. Large meaty fruit, mild flavor, good rich red color. Ripens early.

Any of above three varieties, tr. pkt. 35c; 1/2oz. 50c; oz. 95c; 1/4lb. \$3.10; lb. \$9.50

STANDARD TOMATOES. (B.R.) signifies blight resistant.

Beefsteak (Crimson Cushion). 83 days. Large flat solid fruit; scarlet. 1/2oz. 50c; oz. 85c; 1/4lb. \$2.70; lb. \$8.00.

Bonny Best. 70 days. Large flat globe shape, smooth and solid. 1/2oz. 45c; oz. 60c; 1/4lb. \$2.00; lb. \$6.00.

Break o'Day. (B.R.) 70 days. Globe shape; firm flesh. Heavy producer. 1/2oz. 45c; oz. 60c; 1/4lb. \$2.00; lb. \$6.00.

Campbell 146. (New.) 85 days. Crack resistant. Maincrop Tomato, highly popular. Big yields of firm fruit of flattened shape and excellent color. 1/2oz. 50c; oz. 90c; 1/4lb. \$3.10; lb. \$9.50.

Fireball. 60 days. Produces big crops of smooth firm fruit, with very little cracking. Good quality, not acid or sour. 1/2oz. 90c; oz. \$1.55; 1/4lb. \$4.65; lb. \$14.00.

Giant Tree or Italian Potato Leaved (Neal, Winsol, Belgium Giant). 90 days. Extra-large, pink fruit, tender and mild.

Tr. pkt. 50c; 1/4oz. \$1.20; 1/2oz. \$1.90; oz. \$3.60; 1/4lb. \$12.00.

Glamour. 77 days. Crack-resistant main-crop type. Fruit flattened globe shape, bright red, firm and meaty.

Oz. \$1.00; 1/4lb. \$3.25; lb. \$10.00.

John Baer.

Discontinued

Long Red. 75 days. Bears until frost. Smooth, deep globe shape, thick and solid. Enormous yields.

1/2oz. 50c; oz. 95c; 1/4lb. \$3.10; lb. \$9.50.

Marion. (B.R.) 80 days. Resistant to grey leaf spot and fusarium wilt. Large, smooth, deep oblate fruit with deep red flesh. Less cracking than Rutgers and higher production.

1/2oz. 55c; oz. \$1.00; 1/4lb. \$3.25; lb. \$10.00.

Ohio Wilt-Resistant Jubilee. 73 days. Large smooth scarlet fruit. Very productive.

1/2oz. 50c; oz. 85c; 1/4lb. \$2.70; lb. \$8.00.

Oxheart. 90 days. Heart shape; heavy solid flesh. Mild flavor; rosy pink. 1/2oz. 60c; oz. \$1.10; 1/4lb. \$3.65; lb. \$11.00.

Ponderosa. 90 days. Extremely large, deep flat-ribbed fruit. Purplish pink. 1/2oz. 65c; oz. \$1.20; 1/4lb. \$3.75; lb. \$12.00.

Pritchard (Scarlet Topper). 70 days. Self topping, good all-round variety. Heavy yielder.

1/2oz. 45c; oz. 75c; 1/4lb. \$2.50; lb. \$7.50.

Queens. 79 days. Smooth, deep globe-shaped fruit with good flavor. Good for market gardens and shipping.

1/2oz. 50c; oz. 95c; 1/4lb. \$3.10.

Sunray. (B.R.) 80 days. Best yellow-orange. Thick, meaty walls, smooth, large and globular. Mild flavor.

1/2oz. 70c; oz. \$1.30; 1/4lb. \$4.25.

Tr. pkts. of the above Standard Tomato varieties except Giant Tree or Italian Potato Leaved, 35c each



TOMATOES, Mandarin Cross. (Described on page 33.)

TOMATO, continued

SMALL-FRUITED VARIETIES

Red Cherry. 72 days. Small round fruits, 1/2 in. in diameter.

1/2oz. 50c; oz. 90c; 1/4lb. \$3.00.

Roma. (New.) 75 days. Solid thick walls; 3 to 4 in. long, 1 to 1 1/2 in. in diameter. Compact and vigorous. Improved Red Top.

1/2oz. 65c; oz. \$1.20; 1/4lb. \$3.75.

San Marzano. 70 days.

1/2oz. 65c; oz. \$1.20; 1/4lb. \$3.75.

Yellow Plum. 70 days.

1/2oz. 50c; oz. 90c; 1/4lb. \$3.00.

F₁ HYBRID VARIETIES

Big Boy Hybrid. ® 78 days. Smooth, deep globe shape, meaty flesh. Popular for home gardens. Average 10 to 16 ozs.

Tr. pkt. \$2.25; 1/8oz. \$4.50; 1/4oz. \$8.50; 1/2oz. \$16.00; oz. \$30.00.

® Reg. Trade Mark of W. Atlee Burpee Co.

Early Giant Hybrid. 65 days. Largest early Tomato with heavy yields. Deep globe shape, thick walls, prolific.

Tr. pkt. (300 seeds) \$2.00; 1/4oz. \$6.50; 1/2oz. \$12.00; oz. \$23.50.

Early Prolific. 60 days. Fruit medium to large, globe shaped, excellent dark red. Firm, fleshy, thick walled; excellent flavor and quality. Smooth and uniform. Vines indeterminate, large and vigorous with medium cover. Outstanding early, combines hybrid vigor, earliness, size, fine appearance and wonderful quality. So outstanding in our trials the past two seasons that we must now include it in our list. Suitable for staking. Wonderful hybrid for home gardens or market growers.

Tr. pkt. (300 seeds) \$2.00; 1/4oz. \$6.50; 1/2oz. \$12.00; oz. \$23.50.

Pa. 103. (New.) 65 days. Thick, firm flesh, 4 to 6 cells. Round in shape, uniform in size throughout the season. Averages 5 ozs. Bright red color.

Tr. pkt. \$1.50; 1/8oz. \$2.50; 1/4oz. \$5.00; 1/2oz. \$9.35; oz. \$18.00.

Early Pink. 60 days. Deep globe-shaped fruit, smooth and meaty, with mild flavor. Smooth skin that does not crack or cat-face. This was on trial all through the East this past season, and we are receiving favorable reports from all sections. Many mention its wonderful flavor and early ripening as its major assets.

Tr. pkt. \$1.50; 1/8oz. \$2.50; 1/4oz. \$5.00; 1/2oz. \$9.35; oz. \$18.00.



TOMATO, Early Salad. (Described on page 33.)

F₁ HYBRID TOMATOES, continued

Early Salad. 45 days. This variety is a must for the home gardener. Compact plants 8 to 10 in. high, spreading 2½ ft. Each plant produces 250 to 300 bright red, juicy, firm, deliciously flavored fruits. Measuring 1½ to 1¾ in., these are the right size to serve whole. Plants continue producing fruit up to frost. These fruits are suitable for freezing and are best served in salads just before they have completely thawed. They will remain on the plant in good condition for a full month.

Tr. pkt. (300 seeds) \$2.00; ¼oz. \$6.50; ½oz. \$12.00; oz. \$23.50.

New Wonder Boy. 76 days. Improved selection. Extra-large, round, firm, meaty, midseason Tomato. Heavy yields of excellent flavor and quality. Scarlet-red fruits borne in large clusters; very prolific.

Tr. pkt. (300 seeds) \$2.00; ¼oz. \$6.50; ½oz. \$12.00; oz. \$23.50.

Keystone Hybrid. 67 days. Ball shaped. Bright scarlet, smooth skin. Outyields Rutgers by 50%.

Mandarin Cross. The first orange-fruited hybrid. Midseason variety, setting perfectly smooth, true globe-shaped fruits in clusters. No cracking or ribbing of the 9 to 10-oz. fruits. Small seed cavity; meaty and of low acidity. Heavy cropper. For best results, cut the nitrogen to about 60% of that used by other varieties. Very uniform and excellent in quality and flavor.

Neptune (Red Hybrid No. 21). 65 days. Medium early, large, rounded, meaty fruit with few seeds. Bright scarlet-red. A heavy yielder.

Venus. 68 days. Smooth skin, ball shape, bright red. More desirable than Rutgers. Outyields Rutgers by 50%. One of the best red hybrids.

Mars. 72 days. Ponderosa type, vigorous in growth and highly disease resistant. Large, uniform, excellently shaped pink fruit. Average weight 1 lb. A very heavy cropper.

Any of the above five, tr. pkt. (500 seeds) \$1.00; ½oz. \$2.80; ¼oz. \$5.00; ½oz. \$9.35; oz. \$16.65

NOVELTY TOMATOES

Caro-Red. 79 days. The NEW orange Tomato, with exceptionally mild flavor. Same shape and season as Rutgers. Rich in vitamin A and distinct from other types presently grown. The inside flesh color is orange-red. High in Beta-carotene, the vitamin A pigment common in carrots, spinach and other vegetables rich in vitamin A. This places Caro-Red on a par with carrots as an excellent source of vitamin A.

Tr. pkt. 35c; ½oz. 50c; oz. 95c; ¼lb. \$3.10.

Tiny Tim. 55 days. Fruits bright red, 1½ in. in diameter. A miniature Tomato capable of producing large numbers of small fruits on small, compact plants. Often potted and sold when in fruit during the winter. Appeals to the housewife when so marketed.

Tr. pkt. (1/16oz.) 40c; ¼oz. \$1.00; oz. \$3.30.

White Beauty. 84 days. Fruit ivory-white, with paper-white flesh. The large, anti-acid fruit is extremely mild. Excellent quality for slicing, canning and juice.

½oz. 50c; oz. 85c; ¼lb. \$2.70; lb. \$8.00.

HERB GARDEN

Take advantage of today's popularity and publicity in the use of herbs in cookery.

SWEET BASIL, CHIVES, DILL, SAVORY.

Tr. pkt. 20c; oz. 60c.

SWEET BASIL, Dark Opal. All-America Award Winner. See page 8.

SWEET MARJORAM, SAGE.

Tr. pkt. 20c; ½oz. 60c.

THYME.

Tr. pkt. 20c; ¼oz. 60c.

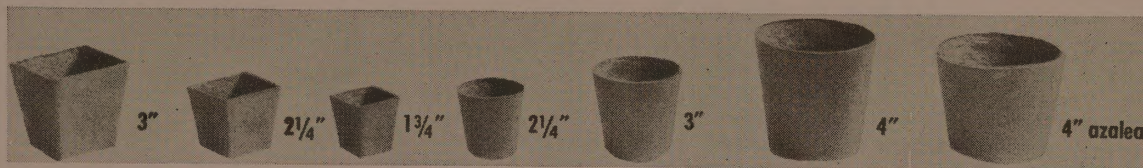
1 tr. pkt. each of the 7 herbs priced above, \$1.10

One 60c pkt. each of the above 7 herbs, \$3.35

CONTAINERS and SUPPLIES

Our customers have repeatedly asked that we stock the following supplies. We have always specialized in seeds but hope the addition of these items will be helpful to you.

JACK POT



JACK POTS

Jack Pots are manufactured from the finest horticultural peat moss available. Sturdy shaped pots make handling easy, and pots will last the required growing

period, under greenhouse or coldframe conditions. These pots are made both round and square; the square pots are in two weights, the No. 10 the lighter. Jack Pot sizes are inside top diameters "full dimensional." They will hold more soil than other peat pots of the same stated sizes.

PURE VIRGIN HIGH IMPACT PLASTIC POTS (Injected Molded)

New line based on manufacturer's 20 years of experience. All the most desirable features are incorporated in this new line. All pots made of pure virgin impact polystyrene.

Full-size specifications in depth and diameter. The top diameter will be equal to the depth of the pot. For maximum stability the bottom diameter will be as great as possible.

Top portion has the flange built up in thickness for added strength at the point of greater strain. This design prevents interlocking of the pots in the bench. Pots do not jam in packing. These advantages combine to allow more pots per cubic foot for lower shipping costs and take less space in storage. Popular utility color. All pots round.

Size	No. Per Case	Weight Per Case	Price Per 1000
3½ in.	1000	48 lbs.	\$22.50
4 in.	750	45½ lbs.	27.25
4½ in.	600	54.7 lbs.	38.00
6-in. bulb pan	400	54 lbs.	75.00

Order full cases only. Price F.O.B. Smethport, Penna.
2% discount for cash.

STURDIWALL

Code No.	Pot Size	Shipping Weight Per Case	Packed Per Case	1 to 9 Cases	Price Per 1000 Pots 10 to 24 Cases	25 Cases Up
20	2¼ in. Round	39 lbs.	3000	\$9.12	\$8.69	\$8.27
30	2¼ in. Square	37 lbs.	2000	11.45	10.87	10.34
40	3 in. Round	26 lbs.	1000	15.79	15.00	14.26
50	3 in. Square	39 lbs.	1000	20.03	19.03	18.07
60	4 in. Standard	31 lbs.	500	31.00	29.50	28.00
70	4 in. Azalea	32 lbs.	500	31.00	29.50	28.00

THIN-LINE

Code No.	Pot Size	Shipping Weight Per Case	Packed Per Case	1 to 9 Cases	Price Per 1000 Pots 10 to 24 Cases	25 Cases Up
01	1¾ in. Square	28 lbs.	3000	\$7.60	\$7.25	\$6.90
11	2¼ in. Round	35 lbs.	3000	7.95	7.60	7.25
21	2¼ in. Square	32 lbs.	2000	9.10	8.70	8.30
31	3 in. Round	22 lbs.	1000	14.00	13.35	12.70
41	3 in. Square	31 lbs.	1000	16.90	16.15	15.40

BEMIS TEKPAKS

PLANT-PAKS New, Improved Rigid Formulation—Increased Drainage

These "Paks" save the time consumed in digging and wrapping plants and help you place a far better plant in your customers' hands. Now greatly improved with a more rigid formulation for the entire line, which will give it much longer life on the grower's benches. The number of drainage holes has been increased to insure more positive drainage. The cost saving of shallow containers is a myth. Growers are rapidly finding that cost differentials are overcome by increased costs of labor and materials (watering and fertilizing). The swing is definitely to 3-in.-depth containers.

Featherweight. Lighter to handle, thus reducing shipping costs. "Paks" nest together and reduce storage space to a minimum.

Eye-Appealing. They are neat and attractive when used in any display.

Strong and Durable. Made of molded cellulose, they are resilient; no cracking or breaking. Contain no materials toxic to plants. Will keep their shape and not rot for six months.

TEKPAKS

Stock No.	Size (in.)	250-750 per 1000	1000-9750 per 1000	10,000-49,750 per 1000	Shpg. Wt. per 1000	No. to Carton
452	4 x 5½ x 2¾	\$31.00	\$28.00	\$26.00	66 lbs.	500
453	4¼ x 5½ x 3	56.10	52.75	50.33	101 lbs.	450
462	4¼ x 6¼ x 2¾	51.43	49.06	46.75	92 lbs.	250
463	4¾ x 6¾ x 3	58.30	55.55	52.91	122 lbs.	250
55	4½ x 5¼ x 2½	39.00	35.00	33.00	87 lbs.	450
553	4½ x 5¼ x 3	47.85	45.54	43.40	97 lbs.	450
563	5 x 6¼ x 3	59.40	56.54	53.85	140 lbs.	250
572	5½ x 7¼ x 2¾	44.00	40.00	38.00	124 lbs.	250
573	5½ x 7¼ x 3	64.85	61.70	58.85	148 lbs.	250
58	5 x 8 x 2½	57.86	55.44	52.80	141 lbs.	250
583	5 x 8 x 3	68.86	65.56	61.06	159 lbs.	200
683	6 x 8 x 3	72.60	66.00	61.60	163 lbs.	250

Prices prepaid in lots of 200 lbs. and over east of the Rocky Mountains. Tekpaks and Tekpots may be combined to make the 200-lb. weight.

Direct Planting. Plant direct, thus saving time and labor. Ready to merchandise.

Waterproof, Yet Porous. Moisture is retained in the soil and healthy root structure is encouraged.

Sizes to Suit Any Grower. They come in many sizes. Find the correct package for your market.

TEKPOTS

Stock No.	Size	Single Case to 10,000 per 1000	10,500 to 25,000 per 1000	Approx. Wt. per 1000	No. to Carton
25	2½ in. Std.	\$14.00	\$12.50	23 lbs.	2000
30	3 in. Std.	16.00	14.50	28 lbs.	1500
30Sq.	3 in. Sq.	20.45	18.10	28 lbs.	1500
40	4 in. Std.	27.10	23.75	51 lbs.	850
50	5 in. Std.	41.75	35.80	77 lbs.	500

All prices net, no discounts. Shipped prepaid if shipment weighs 200 lbs. or more. Shipped via truck unless you specify otherwise. Sold only in full cartons. Color BROWN ONLY.

JIFFY-POTS

The remarkable molded-type pot made in Norway or Denmark, composed of 75% peat and 25% wood fiber to which soluble fertilizers have been added. Roots grow easily through the walls, permitting repotting in larger pots and planting in the bench or garden without removing the pot—a *decided saving in time and labor*. Jiffy-Pots are inexpensive, lightweight, long lasting, need less watering and allow excellent root aeration.

The most important single advantage of Jiffy-Pots is the fast premium growth which they support. Growers report up to 50% faster and heavier growth in Jiffy-Pots.

Model No.	Top Diam. and Shape	Depth Inches	Shipping Weight per Case	Pack per Case	1-9 Ctns	10-24 Ctns	25 Ctns	Per Case
115	1½ in. Round	1¾	17 lbs.	3,000	\$5.95	\$5.70	\$5.45	\$17.85
122	2¼ in. Round	2¼	37 lbs.	3,000	7.95	7.60	7.25	23.85
130	3 in. Round	3	37 lbs.	1,500	14.00	13.35	12.70	21.00
217	1¾ in. Square	2½	34 lbs.	3,000	7.60	7.25	6.90	22.80
222	2¼ in. Square	2¼	37 lbs.	2,500	9.10	8.70	8.30	22.75
230	3 in. Square	3	40 lbs.	1,000	16.90	16.15	15.40	16.90
335	3½ in. Shorty	3	40 lbs.	1,000	19.30	18.45	17.60	19.30
340	4 in. Round	3¾	35 lbs.	750	31.00	29.50	28.00	23.25

Additional quantity discounts: Orders of \$1500.00—2% discount from 25 case price

Orders of \$3000.00—3% discount from 25 case price

Orders of \$6000.00—5% discount from 25 case price

VARIOUS SIZES MAY BE COMBINED TO OBTAIN QUANTITY PRICES

Prices prepaid on orders of Jiffy-Pots weighing 150 lbs. or more.

Sales of plants in peat pots are increasing tremendously.
Are you cashing in on this latest trend ? ? ?

JIFFY-STRIPS

Model No.	Pot Size	No. of Jiffy-Strips Per Case	1-9 Cartons	10-24 Cartons	25 Cartons up	Per Case	Weight Per Case
517	1¾ in.	300	\$7.30	\$6.95	\$6.60	\$26.28	34 lbs.
522	2¼ in.	200	8.90	8.50	8.10	21.36	34 lbs.

BIRD GROWTH-STIMULATING PLANT BANDS

VITA-BAND D contains root growth until grower chooses to let root through Band. Only quick, slight pressure is needed to crack Band. Do not remove Vita-Band "D" when transplanting. Band disintegrates in the soil, permitting free growth of roots from time of transplant. Nutrient-treated with quickly available plant food.

VITA-BAND 10 for short growing periods. Will usually contain root growth up to approximately 8 to 10 weeks. Nutrient-treated with quickly available plant food . . . your judgment determines need for additional feeding. Vita-Band 10 is identical to Vita-Band "D" except Vita-Band 10 is removed at time of transplant. Vita-Band "D" is not.

QUANTITY DISCOUNT. On 50,000 Bands or over 5%; 200,000 or over 10%.

F.O.B. Smethport or East Walpole, Mass.

PRICES—QUANTITIES—WEIGHTS All Orders Shipped Collect

VITA-BAND	1½x1½x2½	1¾x2½	2x2½	2x3	2½x3	3x3x3	4x4x3
10	\$5.05 per 1000 2000 per case (33 lbs.)	\$5.40 per 1000 2000 per case (38 lbs.)	\$5.65 per 1000 2000 per case (42 lbs.)	\$6.20 per 1000 2000 per case (51 lbs.)	\$6.70 per 1000 2000 per case (63 lbs.)	\$7.45 per 1000 1000 per case (37 lbs.)	\$9.65 per 1000 1000 per case (50 lbs.)
D	\$5.20 per 1000 2000 per case (18 lbs.)	\$5.55 per 1000 2000 per case (21 lbs.)	\$5.80 per 1000 2000 per case (23 lbs.)	\$6.30 per 1000 2000 per case (28 lbs.)	\$6.75 per 1000 2000 per case (34 lbs.)	\$7.60 per 1000 2000 per case (40 lbs.)	\$9.90 per 1000 1000 per case (27 lbs.)



PLASTIC POLY-TRAYS

TO HOLD JIFFY-POTS AND JIFFY-STRIPS

Lightweight plastic trays to hold Jiffy-Pots and Jiffy-Strips. Make ideally sized units of sale for bedding plants to home gardeners. May be used without pots as plant paks. Have drain slots in bottom. Blue-gray in color.

Code No.	Dimensions	Holds	Pack Per Case	Shipping Weight Per Case
J-617	5 $\frac{7}{8}$ x 4 $\frac{1}{8}$ x 2 $\frac{1}{8}$ in.	6 1 $\frac{3}{4}$ -in. Jiffy-Pots	500	20 lbs.
J-175	12 $\frac{5}{8}$ x 4 $\frac{1}{2}$ x 2 in.	1 Jiffy-Strip No. 517 or 12 1 $\frac{3}{4}$ -in. Pots	300	21 lbs.
J-26	6 $\frac{7}{8}$ x 4 $\frac{7}{8}$ x 2 $\frac{1}{2}$ in.	6 2 $\frac{1}{4}$ -in. Jiffy-Pots	250	12 lbs.
J-225	13 $\frac{3}{4}$ x 4 $\frac{3}{4}$ x 2 $\frac{3}{8}$ in.	1 Jiffy-Strip No. 522 or 12 2 $\frac{1}{4}$ -in. Jiffy-Pots	200	18 lbs.

	Price per 1000 Trays			Per Case
	1-9 cases	10-24 cases	25 cases up	
No. J-617	\$43.00	\$40.00	\$37.00	\$21.50
No. J-175	58.00	55.00	52.00	17.40
No. J-26	58.00	55.00	52.00	14.50
No. J-225	74.00	70.00	66.00	14.80

Prepaid in lots of 5 cases or more in the continental United States, excluding Alaska and Hawaii. 2% discount for cash or if paid within 30 days of invoice date.

For many growers who found the No. 42 Market-Pak just the right size except for soil capacity, there is now available No. 44, which is $\frac{3}{8}$ in. deeper.

For those who once used the now discontinued No. 3 Gro-Tainer, we offer the No. 57 Market-Pak. See below.

MARKET-PAKS AND HALF-FLATS

Modern convenient packages for growing and selling bedding plants. Ideal for tomatoes, peppers, etc. Give home gardeners the right size package and you will find they buy more plants. Saves selling time in digging plants out of flats and wrapping. No muss—No fuss—No wilted plants.

Attractively finished in smooth brick-red color, the Market-Pak is a durable, well-designed, growing-selling container, made of asphalt-impregnated wood fiber. Has adequate drain holes in bottom. Available in sizes for every need.

No. 24.	4 $\frac{1}{8}$ x 5 $\frac{3}{4}$ x 2 $\frac{1}{2}$ in. deep.	250 per case.	17 lbs.
No. 28.	5 $\frac{1}{8}$ x 5 $\frac{1}{2}$ x 2 $\frac{3}{4}$ in. deep.	250 per case.	23 lbs.
No. 42.	5 $\frac{1}{2}$ x 7 $\frac{1}{2}$ x 2 $\frac{3}{8}$ in. deep.	200 per case.	20 lbs.
No. 44.	5 $\frac{1}{2}$ x 7 $\frac{1}{2}$ x 2 $\frac{3}{4}$ in. deep.	200 per case.	23 lbs.
No. 57.	6 $\frac{3}{4}$ x 8 $\frac{3}{8}$ x 2 $\frac{3}{4}$ in. deep.	200 per case.	26 lbs.
No. 60.	6 x 10 x 2 $\frac{5}{8}$ in. deep.	200 per case.	28 lbs.
Half-Flats.	10 x 12 x 2 $\frac{3}{8}$ in.	200 per case.	50 lbs.

HALF-FLATS—Growers' price per 1000

200 to 400	\$120.00
600 to 4,800	110.00
5,000 and up	100.00

VARIOUS SIZES OF MARKET-PAKS AS WELL AS HALF-FLATS MAY BE COMBINED TO MAKE UP MINIMUM QUANTITIES.

Prices prepaid on orders of Market-Paks and Half-Flats weighing 150 lbs. or more. 2% discount for cash or if paid within 10 days of invoice date.

MARKET-PAKS—Growers' price per 1000

	No. 24	No. 28	No. 35	No. 42	No. 44	No. 57	No. 60
Less than 1,000	\$32.80	\$40.50	\$45.00	\$46.00	\$51.50	\$74.00	\$71.00
1,000 to 9,875	30.80	38.50	43.00	44.00	49.50	70.00	67.00
10,000 to 49,875	28.80	36.50	41.00	42.00	47.50	66.00	63.00
50,000 and up	26.80	33.50	38.00	39.00	44.50	62.00	59.00

H. G. GERMAN, 103 Bank Street, Smethport, Penna.

PICTURE LABELS

PICTURE LABELS. Made of pure white plastic, durable and fade-resistant. Cultural information on each label, giving height, spacing, sun or shade, etc. Size: 1 $\frac{3}{4}$ x 6 $\frac{3}{4}$ in.

Sets

LABEL PRICES

320 labels, 10 each of 32 varieties	\$6.90
1600 labels, 50 each of 32 varieties	31.00

Individual labels available in units of 50 of any one variety. Minimum order 50. Up to 950 labels, **\$2.20 per 100**; 1000 to 4950, **\$2.00 per 100**; 5000 up, **\$1.85 per 100**.

The following picture labels are available:

Petunias: All Double Mixed, Ballerina, Blue Lace, Blue Magic, Calypso, Cherry Tart, Comanche, Coral Satin, Crusader, Dwarf Giants of California, Glitters, Grandiflora Mixed, La Paloma, Maytime, Neptune, Paleface, Satellite, Prima Donna, Red Satin, Single Mixed, Sugar Plum, Tango, Venus, White Magic

Ageratum: Blue

Alyssum: Carpet of Snow, Rosie o'Day, Royal Carpet

Aster: Giants of California Mixed, American Beauty Mixed

Sweet Basil: Dark Opal

Calendula: Mixed

Carnation: Mixed

Dahlia: Unwin's Dwarf Mixed

Delphinium: Pacific Giants Mixed

Dianthus: Bravo

Lobelia: Crystal Palace Compacta

Marigold: Crackerjack, Petite, Spun Gold

Pansy: Roggli Mixed, Swiss Giants Mixed

Phlox: Dwarf Mixed, Globe, Twinkles

Portulaca: Double Mixed

Salvia: Dwarf, Tall

Snapdragon: Rocket Mixed

Verbena: Mixed

Zinnia: Giant Hybrid Mixed, Pompon Mixed, Dahlia Flowered Mixed, Old Mexico, Thumbelina, Firecracker

Cabbage: Copenhagen Type

Tomato

Green Pepper

E-Z RITE PLASTIC POT LABELS

Pure white heavy plastic. These labels can be re-used. Can be marked with waterproof pencil, regular pencil or rubber stamp. Clean, attractive and low priced.

Size	Weight Per 1000	Price Per 1000
4 in.	4 lbs. 12 ozs.	\$4.25
5 in.	5 lbs. 4 ozs.	4.75
6 in.	5 lbs. 10 ozs.	5.15
8 in.	7 lbs. 12 ozs.	7.25

Price F.O.B. Smethport, Penna. No discount for cash on this item

4"

5" 6" 8"

COLOR AIDS SALES

LARGE JUMBO CARDS. Printed in full color on 65-lb. glossy paper, these beautiful 8 x 5-in. cards will add materially to plant sales. 6c each; 60 to 250 cards, \$5.50 per 100; over 250 cards, \$5.00 per 100.

More and more, progressive growers are using these large Jumbo Cards and displaying them in a prominent position in their sales area. It is a proven fact that they increase sales of all items so displayed.

The following cards are available:

Snapdragons: Rocket Mixed

Petunias:

Allegro, Caprice, Nocturne, Presto, Rhapsody, Sonata, Glorious Mixture, Ballerina, Blue Lace, Crusader, La Paloma, Lavender Lace, Maytime, Prima Donna, Sabre Dance, Tango, Calypso, Toreador, Comanche, Comet, Linda, Mercury, Neptune, Paleface, Satellite, Polaris, Cherokee, Venus, Sugar Plum, Lyric, Blue Magic.

MYLAR LAMINATED COLORED PICTURE CARDS.

Approx. 4¾ by 5¾-in. cards in true colors. They are plastic laminated and can therefore be used right with the plants, in rain or sun, and can be used over and over again.

Petunias: Blue Lustre, Scarlet Lustre, Coral Satin, Pink Satin, Red Satin, White Satin.

Snapdragon: United Sprites.

Zinnia: Thumbelina.

10 cards, any assortment..... 10c each; 10 for \$1.00
50 cards, any assortment..... 8c each; 50 for \$4.00
100 cards, any assortment..... 6½c each; 100 for \$6.50

FERTILIZERS

PETERS M77 SEQUESTERED-CHELATED FERTILIZERS

Formula	1 to 3 bags (25-lb. bag) per bag	100 to 975 lbs. per lb.	1000 to 1975 lbs. per lb.	2000 lbs. up per lb.
15-15-15 Geranium Special.....	\$7.00	\$0.24	\$0.23	\$0.22
20- 5-30 Potash Special.....	7.00	.24	.23	.22
16- 4-12 Easter Lily Special....	7.00	.24	.23	.22
25-10-10 Maryland Special.....	7.00	.24	.23	.22
21- 7- 7 Azalea Neutral.....	7.00	.24	.23	.22
21- 7- 7 Azalea Acid.....	7.00	.24	.23	.22
20-20-20 General Purpose.....	7.50	.26	.25	.24
25- 5-20 Carnation Special.....	7.50	.26	.25	.24

NICOTINE PRESSURE FUMIGATORS (Plant Products Corp.)

Nicotine (14% Nicotine). For control of aphids, green or black fly, most thrips, chrysanthemum or rose midge.
10,000 cu. ft. Generator. 12 per case. \$7.25 per case.
20,000 cu. ft. Generator. 12 per case. \$11.75 per case.

INSECTICIDES

Slug Kill (15% Metaldehyde Dust). Use 2 lbs. per 1000 sq. ft. For best results apply at night, at least three applications at 7 to 10-day intervals. 4-lb. bag \$3.25, F.O.B. Smethport, Penna.

Nicotine Spray. A 20% Nicotine, in alkaloid form, is an active vegetable oil base with great spreading and adhering power. Recommended for aphids; still one of the best for this purpose. 1 qt. of 20% nicotine sulfate per 100 gals. water. Gal. \$14.00, F.O.B. Smethport, Penna.

FUNGICIDES

Captan 50% Wettable Powder. For leaf diseases on roses, mums, carnations and root rot damping-off. Also controls botrytis, rust and blackspot. 5-lb. bag \$4.00, F.O.B. Smethport, Penna.

Terrachlor 75% Wettable Powder. Controls rhizoctonia stem rot by inhibiting growth of fungus responsible. For a soil drench, use 1 lb. per 100 gals. water, to treat 400 sq. ft. bench space. 5-lb. bag \$4.25, F.O.B. Smethport, Penna.

Ferbam (Fermate). For rust of snaps, black spot on roses, leaf spot on mums, seed treatment, seedling damping-off control. For control of all mildews and fungi. 3-lb. bag \$2.10, F.O.B. Smethport, Penna.

Parzate (Zineb). Very effective for control of botrytis blight on mums and other flowers. Also effective for leafspot, rust, stem rot, and damping-off control. Use 1 to 1½ lbs. per 100 gals. water. 3-lb. bag \$2.85, F.O.B. Smethport, Penna.

HOZON PROPORTIONER.....\$2.50
Inquire for prices on special single element materials or special formulas.

ROOTING POWDER ROOTONE



This plant hormone powder is a carefully formulated, easy-to-use powder containing synthetic plant hormones and growth substances.

Rootone stimulates the natural tendency of roots to form on cuttings; therefore, rooting takes place in a much shorter time, with a larger percentage rooting, earlier development and more roots per cutting.

Rootone. 2 ozs. \$1.25, lb. \$5.00.

Rootone F. (Fungicide added.) Lb. \$5.00.

ANTI-DAMP-OFF SOLUTIONS

FULEX A-D-O

For inhibiting the spread of rhizoctonia, pythium and fusarium stem rot diseases. Use for dipping cuttings, drenching sand, vermiculite, peat, peat moss, etc. Use it on seed beds or on soil; also direct on seedlings and growing plants. This material contains 25% hydroxyquinoline sulfate and has proved itself, after extensive use, to be of great value as a control of lily root rot.

Should not be used on crucifers such as Brussels Sprouts, Broccoli, Cabbage and Cauliflower.

Pt..... \$4 95 (makes 128 gals.)

Qt..... 9 50 (makes 256 gals.)

Prices net, F.O.B. Smethport, Penna.

PANO-DRENCH 4

Most effective control for damp-off!

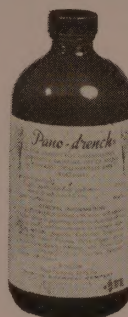
Many growers have reported their findings on the use of Pano-Drench to control damp-off and certain other diseases in flower pots, seed flats, propagating benches, etc. You can now end loss from damping-off.

It can be used as pre-emergence or post-emergence drench. No need to wait for the flats to dry.

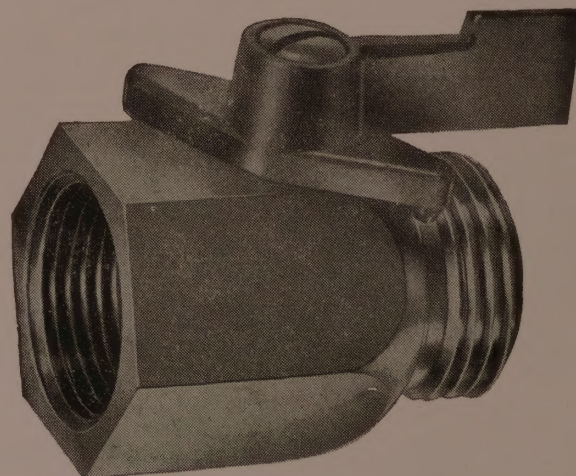
Easy to use. Pano-Drench can end your damp-off problems today and control diseases like stem and root rot. Cases have been reported of known control for as long as three months.

Oz..... \$1.95 4 ozs.... \$5.95 Pt..... \$19.20

Prices net, prepaid



VALVES BRASS V-58



Shut off to full flow in one-quarter turn. Easy, effortless, positive stops. Solid brass. No leak, no drip, greater water capacity than most ¾-in. hose end valves. Weight ½ lb. Inexpensive valve.

Pipe to hose type..... Each 6 Valves
\$1 50 \$8 35

H. G. GERMAN, 103 Bank Street, Smethport, Penna.



PORTULACA, GERMAN'S ALL DOUBLE MIXED
Popular annual.



CELOSIA, FOREST FIRE
Brilliant scarlet.



VINCA ROSEA. Loves full sun.
(Left) **COQUETTE** or **LITTLE PINKIE.** (Right) **BRIGHT EYE.**

AQUILEGIA, McKANA'S GIANT HYBRIDS
Bright hardy perennial.



H. G. German, *Seeds*

Box N, Smethport, Penna.

VERBENA, IDEAL FLORISTS' STRAIN





DIANTHUS, BRAVO
Brilliant scarlet annual.



GAILLARDIA, GAIETY MIXED
Bright colors, for cutting or bedding.



DELPHINIUM, PACIFIC GIANTS
Perennial.



MARIGOLD, SPUN GOLD
All-America Winner.

AGERATUM, BLUE MINK IMPROVED
Best bedder.



PANSY, FRENCH GIANT, BLUE DREAM
New clear blue.



PRIMULA VERIS, PACIFIC GIANTS
Beautiful hardy Primrose.



PETUNIA, COMANCHE IMPROVED
German's Special Strain.



MARIGOLD, PETITE VARIETIES
All-America Award Winners for 1958. Pictured here is the mixture.



PETUNIA, BLIZZARD
New huge, pure white Grandiflora.



ALYSSUM, CARPET OF SNOW
Best edging plant.



IMPATIENS, DWARF BABY MIXED
Brightest plant for shady spots.

***“German’s Seeds
Germinate”***



COLEUS, RUSTIC SPLENDOR (Gettysburg)



BALSAM, COLOR PARADE (TOM THUMB)



1963 Our 37th Year



PETUNIA, ROSE VEIL

Beautiful blush with dark veins. Dwarf, weather-resistant, free-flowering plant. See page 16.



PANSY, GERMAN'S SPECIAL SWISS GIANTS MIXTURE

See page 14.



DOUBLE PETUNIA, HONEY BUNCH

Beautiful light salmon Multiflora. See page 18.

H. G. GERMAN, *Seeds*

Florists' Flower Seeds

SMETHPORT, PENNA.



PHLOX, GLOBE MIXED

The most dwarf Phlox. See page 18.